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# MANUAL

OF THE

# NEW ZEALAND COLEOPTERA.

BY

CAPTAIN THOMAS BROWN.

PARTS III. AND IV.

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PUBLISHED BY COMMAND.

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NEW ZEALAND.

BY AUTHORITY: GEORGE DIDSBURY, GOVERNMENT PRINTER, WELLINGTON.

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1886.



## PREFACE.

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THIS is a further instalment of the work descriptive of the COLEOPTEROUS INSECTS indigenous to New Zealand, by Captain Thomas Broun, of which a first volume was issued by this department in 1880, and a second in 1881. A portion of the descriptions in the present volume—viz., Nos. 1322 to 1557—have already been printed in the *Journal of Science*, but the author desired the incorporation of these in the present work in order to render it complete for the purpose of reference. The alphabetical Index has been rearranged so as to refer to the whole work as if it were one volume, and thus supersedes the Index given with Part II.

JAMES HECTOR,

DIRECTOR.

*Colonial Museum, Wellington,  
April, 1886.*

E R R A T A  
FOR  
PARTS III. AND IV.

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- Page 803. Fifth line from bottom, "Belinophorus" should be "Novitas."
- " 805. "Dioedimorpha:" " left out over *e*.
- " 817. Line 2, "throat" should be "thorax."
- " 822. Line 19, "*F. fultoni*" should be "*T. fultoni*."
- " 851. "Echinopeptus" should be "Echinopeplus."
- " 852. Line 26, "point" should be "joint."
- " 882. Line 17, "pointed it out" should be "found it."
- " 889. Line 8, " $7\frac{1}{8}$ " should be " $1\frac{1}{8}$  lines long."
- " 896. Line 14, "expressions" should be "depressions."
- " 908. Line 7, comma omitted after "arched."
- " 925. Line 1, "being" left out before "much broader."
- " 937. Line 33, should be "J. Adams;" also on pp. 939 and 973.
- " 950. Line 15 from bottom, should be "*L. costatus*," not "*costalus*."
- " 956. "Elaterid" should be "Elateridæ."



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# NEW ZEALAND COLEOPTERA.

## PART III.

### Group—CNEMACANTHIDÆ.

#### Mecodema (p. 7).

1322. **M. rugicolle**, *n.s.* *Body* moderately glossy, brownish-black; legs and antennæ rufo-piceous; elongate, sub-parallel.

*Head* nearly smooth on the middle, longitudinally rugose in front, irregularly wrinkled laterally, its posterior portion covered with transversal linear impressions and punctures; labrum broadly rounded, bearing a row of coarse punctures and ferruginous bristles. *Prothorax* sub-depressed, its length and breadth about equal, widely rounded laterally, abruptly narrowed behind, its sides almost crenate; the surface has a distinct median groove not attaining the apex, many transversal furrows deepest near the sides, some abbreviated longitudinal striæ in front, and a row of obvious punctures, with elongated ferruginous bristles proceeding from them, along the rims; the basal foveæ are well defined, and placed close to the edges of the contracted part. *Elytra* cylindrical, slightly convex, each with three rows of distant punctures on the disc, the sides and apices more coarsely and irregularly punctured; their surface exhibits a few aciculate impressions, but no distinct striæ. *Underside* piceous; flanks of the *prosternum* punctate, those of the *mesosternum* similarly but more densely impressed; *abdomen* with distant shallow punctures near the sides; the *head* transversely rugulose.

Differs from all the other species of the genus having crenulated thoracic margins by the sculpture of the head and thorax, &c.

Length, 11 lines; breadth,  $3\frac{1}{2}$ .

Described from a mutilated specimen found by Mr. P. Stewart-Sandager near Taranaki.

#### Metaglymma (p. 10).

1323. **M. punctifer**, *n.s.* Elongate, slightly convex, medially narrowed, glossy-black, scarcely bronzed; tarsi and antennæ pitchy-black, tips of the palpi pale in colour.

*Head* moderate, longitudinally bi-impressed in front, a little constricted behind, and punctured in line with the back part of the eyes; these latter prominent. *Prothorax* longer than broad, margined, its sides but little curved, considerably contracted behind, with some-

what obtuse but rectangular posterior angles, apex slightly arcuated, base emarginated; the dorsal groove terminates in the curved frontal impression; basal foveæ deep, close to the angles, with a few punctures extending inwards; the disc is obsoletely striated across, and there are several setigerous punctures along the margins. *Elytra* elongate, marginated, wider behind than in front, a little rounded laterally; each with eight rows of punctures, the four inner arranged in pairs, so that the interstices between them and the outer rows are broader than the others, yet not so wide as the smooth space near the side; these punctures are sometimes confluent, but never form striæ, the outer are more rounded and deeper than the inner, whilst the whole sculpture becomes confused apically. *Underside* shining-black, head rugose; base and flanks of the prosternum, and most of the mesosternum, rugosely punctated, the sides of the metasternum and abdomen more or less punctured. The *mentum* tooth, though entire, is concave at the apex, and the terminal articulations of the *palpi* are elongate-oval, but rather obtuse at the extremity.

♀. Length,  $6\frac{1}{2}$  lines; breadth,  $1\frac{7}{8}$ .

One of Mr. T. Chalmers's captures near Dunedin.

1324. *M. oblonga*, *n.s.* Broad, sub-oblong, somewhat convex, moderately shining-black; legs and antennæ pitchy-red.

*Head* nearly smooth, having only a few abbreviated longitudinal lines on the forehead, an inter-antennal and post-ocular impressions, and two or three short marks on the vertex. *Prothorax* large, as long as broad, obtusely rounded laterally, much narrowed behind, with indistinct posterior angles; its surface presents the usual dorsal groove, not reaching the base nor apex, some obsolete aciculate impressions, half a dozen punctures in the marginal channels with ferruginous hairs proceeding from them; an indistinct, curved, frontal impression most visible near the anterior angles, and the basal foveæ represented by mere punctiform depressions. *Scutellum* smooth. *Elytra* oblong, slightly rounded, evidently and regularly punctate-striate, with the common smooth lateral space; interstices simple. *Underside* glossy-black, with a puncture on each side of the middle of the second, third, and fourth abdominal segments.

A rather broad, easily-recognized species.

Length,  $8\frac{1}{2}$  lines; breadth,  $2\frac{3}{4}$ .

I have only a single mutilated specimen, which was found on "The Brothers," Cook Strait, by Mr. P. Stewart-Sandager.

## Group—LICINIDÆ.

### *Dichrochile* (p. 16).

1325. *D. nitida*, *n.s.* Sub-oblong, rather broad, somewhat depressed; shining-black; legs pitchy-black, tips of *palpi* testaceous.

*Head* of rather rounded outline, with prominent eyes, two inter-ocular punctures, and a deep frontal groove, and somewhat uneven near the sides. *Prothorax* transversal, sub-quadrate, base and apex not truncate, its sides moderately rounded and gradually narrowed posteriorly, hind angles obtuse, lateral rims a little reflexed; the



surface obsoletely striated across, the curved frontal impression scored with a number of short lines; the basal foveæ are large; the dorsal line tolerably well marked, but not reaching the apex; two small foveæ appear near the middle, and the base bears many short longitudinal grooves. *Elytra* oblong, broad, narrowed towards the shoulders, obliquely sinuated behind; striate, interstices nearly plane, the third bi-punctate. *Legs* normal.

The elytra are unusually short and broad, their greatest width being in line with the posterior femora, and are but little narrowed apically; the thorax is similar to that of No. 37 as regards shape, though rather shorter, and the eyes are quite as large and prominent as in that species, far more so than in No. 40.

Length,  $4\frac{1}{2}$  lines; breadth,  $1\frac{7}{8}$ .

I have lately received a specimen from Outram, where it had been found by Mr. Sydney W. Fulton.

1326. **D. cinctiger**, *n.s.* Variegate; head, thoracic disc, and a large space on the anterior half of the elytra dull brownish-black; the thorax narrowly, the elytra very broadly, margined with testaceous; femora yellowish, tibiæ somewhat rufescent.

*Head* large, not narrowed behind, and, with the exception of two punctures near each eye, quite unimpressed; eyes rather small, not prominent; labrum deeply notched but abbreviated. *Prothorax* transversal, the apex widely, the base deeply, incurved; the sides finely margined, rounded medially, obliquely narrowed posteriorly, hind angles blunt; the parts near the hind angles are broadly yet slightly depressed, and not at all foveate; the discoidal furrow is moderately distinct, and its whole surface rather flat, except just at the apex. *Elytra* a little convex, oval, scarcely sinuated apically, feebly striated, their interstices plane, the third with two small punctures. *Underside* brownish-black; the coxæ, sides of the prosternum, and epipleuræ testaceous; mentum and trophi infuscate; abdomen a good deal contracted, so that the basal segment alone comes in contact with the sides of the elytra.

A very peculiar form. The dark space on the wing-cases does not extend beyond the hind thighs or the fourth striæ; the median punctures are surrounded by testaceous spots, the other two are sub-apical, and there are two larger ones near the scutellum, but not outside the second striæ; the broad lateral testaceous spaces are closely dotted with brown, thus giving them a punctate-striate appearance, but, in reality, the only large punctures, and these rather shallow, extend along the sides.

Length,  $3\frac{3}{4}$  lines; breadth,  $1\frac{1}{2}$ .

One example, minus antennæ and most of the legs, was picked up dead by Mr. S. W. Fulton, of Outram, Otago.

## Group—ANCHOMENIDÆ.

### *Anchomenus* (p. 20).

1327. **A. haastii**, *n.s.* Sub-depressed, shining-black; legs pitchy-red, trophi and antennæ dark-red, tarsi ferruginous.

*Head* and mandibles elongate, nearly smooth, transversely depressed behind; eyes large and prominent. *Prothorax* small, about as long as broad, widest at the middle, from that point narrowed yet scarcely rounded anteriorly, somewhat sinuously narrowed behind; the middle of the base truncate, but oblique near each sub-acute angle, the latter therefore does not touch the shoulder; the disc, owing to the deep and broad marginal channels, and fine slightly-reflexed lateral rims, appears convex; the dorsal groove and transversal striæ are finely impressed. *Elytra* large, oblong, only slightly rounded laterally, and but little sinuated apically; each has a scutellar and seven seemingly impunctate striæ, and a row of shallow punctiform impressions at each side; interstices a little raised, the third bi-punctate; the third, fourth, fifth, and sixth striæ united before the apices. *Underside* pitchy-black, destitute of distinct sculpture. *Legs* moderately long, the first four joints of all the *tarsi* superficially grooved. The elytra are four times the length and twice the breadth of the thorax; the posterior angles of the latter appear somewhat elevated and distant from the elytra.

Length, 6 lines; breadth,  $2\frac{1}{4}$ .

I have seen one male and two females. One of the latter was sent by Professor Julius von Haast (whose name the species bears) some time ago; the other two were found near Wellington by Mr. P. Stewart-Sandager.

46. **A. sandageri**, *n.s.* Glossy, head and thorax black; elytra infusate-black with paler margins; palpi, legs, and basal joint of antennæ nearly fulvous, remaining joints of these latter as well as the tarsi somewhat rufescent; underside brownish-black, the four anterior coxæ and posterior trochanters yellowish.

*Head* oviform, nearly as wide as thorax, and, with the exception of the usual frontal impressions and ocular punctures, quite smooth; mandibles robust, rather short; labrum emarginate, reddish. *Prothorax* about as long as broad, its sides medially rounded, but very much incurved behind the middle, so that the hind angles appear uncommonly large and prominent; it is moderately convex, and, besides the marginal groove, each side has a broad curved impression extending from the basal fovea to the middle; the basal fossæ appear angulated or curved, and extend inwardly almost to the dorsal furrow, and the disc exhibits a few faint transversal striolæ. *Elytra* oval, a good deal narrowed towards the shoulders, sinuated apically; striate, interstices nearly plane, the third tri-punctate. *Legs* moderate; *tarsi* furrowed above.

The posterior contraction, sub-acute and unusually conspicuous hind angles of the thorax, which, however, do not project behind the medial line, in conjunction with oval elytra, render the species distinct. Its nearest congener, so far as general contour is concerned, is, perhaps, *A. parabilis*.

Length,  $4\frac{1}{2}$  lines; breadth,  $1\frac{3}{4}$ .

I have named this species after Mr. P. Stewart-Sandager, from whom I received it.

*A. montivagus*, I think, will prove to be merely a varietal form of *A. elevatus*; the former, bearing the number 46, is therefore replaced by this species.

1328. *A. helmsi*, *n.s.* Sharp; *Ent. Mon. Mag.*, Vol. XVIII., p. 47, July, 1881. Sat elongatus, parum nitidus, nigropiceus; antennis, palpis, pedibusque rufo-testaceis; prothorace parvo, lateribus postice fortiter sinuatis, angulis posterioribus rectis, basi utrinque profunde impresso; elytris sat convexis, lateribus valde curvatis, profunde striatis, prope apicem fortiter sinuatis.

Long., 1 mm.; lat., 4 mm.

Similar in appearance, and more particularly in colour, to *A. otagoensis* (Bates), but abundantly distinct, rather smaller, the upper surface less opaque and not so flat, the thorax shining, the elytra deeply striate. The *thorax* is much rounded at the sides, and much constricted behind, the posterior part is quite straight, and the hind angles are abruptly marked, and quite rectangular; the surface is not flat, but is deeply impressed on each side at the base; the mesial longitudinal channel is very distinct. *Elytra* rather short, the sides and shoulders much curved; the striæ deep, but not punctate; the interstices are broad and but little convex, the three punctures on the third moderately distinct. There is but little difference between the male and female, even the front *tarsi* of the former being but little dilated.

Greymouth, Helms.

### **Tropopterus** (p. 27).

1329. *T. marginalis*, *n.s.* Shining, brownish-black; antennæ, legs, trophi, and elytral margins rufescent.

*Head* bisulcate at each side, the grooves not connected in front; epistome with two punctures. *Prothorax* sub-quadrate, convex, rounded laterally, sinuously narrowed towards the acute, slightly prominent hind angles; side margins somewhat flattened posteriorly; basal foveæ broad, rather shallow, and finely punctated; its surface, save a few small basal punctures and dorsal striæ, unimpressed. *Elytra* convex, broadly oval, marginated, much broader than thorax, rather feebly punctate-striate, the four inner striæ of each only distinct; interstices plane, the seventh bordered by a sharp, curved carina extending from near the posterior femur to the apex; the sides bear a few punctiform impressions. The three basal joints of the *antennæ* are nude.

Extremely like an *Oöpterus*, but the sutural stria of the wing-case is not recurved at the apex. Allied to *T. sulcicollis*; of a broad, moderately convex form, having the frontal foveæ separated by a broad rather than carinated interval, and the thoracic foveæ not at all sulciform. The elytral sculpture of *T. placens* is decidedly coarser.

Length,  $3\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

I have one (female) from Mr. P. Stewart-Sandager, Wellington.



Group—**FERONIDÆ.****Trichosternus** (p. 31).

1330. **T. putus**, *n.s.* Colour black tinged with red and green; legs pitchy-black, tibiæ occasionally red, tarsi and antennæ piceo-rufous; oblong, moderately convex.

*Head* moderate, smooth; ocular orbits large and gradually narrowed behind. *Prothorax* sub-quadrate, widely incurved apically, base emarginate; sides rounded and sinuously narrowed towards the rectangular posterior angles; the dorsal groove extends from the base and terminates in the frontal impression; the basal foveæ are deep, almost sulciform, but extend outwardly close to the base so as to form a transversal depression near each angle. *Elytra* oblong, punctulate-striate, interstices somewhat convex; shoulders dentate.

This species is abundantly distinct. On examination it will be observed that the basal joint of the antennæ is depressed or broadly grooved above; that the posterior tibiæ terminate inwardly in a robust calcar-like process, and that the basal articulation of the tarsi (hind) is very much compressed laterally, and widely furrowed underneath.

♂. Length, 11 lines; breadth, 4.

The discovery of this species at Mount Arthur is due to Messrs. T. F. Cheeseman and Fred. Combes, of Auckland. No females were obtained.

1331. **T. combesi**, *n.s.* Oblong, sub-depressed; shining-black with green and red metallic reflections, the latter hue predominating; antennæ and trophi dark red, femora blackish, tibiæ and tarsi rather clear bright red.

*Head* rather broad, somewhat uneven, epistome and vertex bipunctate; eyes prominent. *Prothorax* sub-quadrate, transversal, rounded laterally and sinuously narrowed towards the posterior angles; the basal foveæ are deep and rather narrow, and, in addition, a smaller depression occurs near each angle. *Elytra* oblong, their humeral angles distinct, punctulate-striate, interstices plane.

The following are distinguishing characteristics: The first antennal joint is broadly sulcate above, and several of those which follow are peculiarly compressed at the sides; the basal joint of the posterior tarsus is long and narrow; and the elytral interstices, second, fourth, and sixth, are more or less reduced in width, particularly in the vicinity of the base.

♀. Length, 11 lines; breadth, 4.

I have named this fine insect in honour of Mr. Fred. H. Combes, of Auckland. It was found by him on Mount Arthur; but, unfortunately, no examples of the male were procured.

1332. **T. humeralis**, *n.s.* Oblong, moderately convex, brilliant greenish-black; legs and antennæ rufo-piceous, tarsi red.

*Head* not much narrower than thorax, smooth and somewhat contracted behind, forehead with the common impressions; eyes

prominent. *Prothorax* transversal, slightly but widely incurved in front, base obsoletely sinuated, sides distinctly margined and obtusely rounded, moderately narrowed behind; posterior angles rectangular, not protuberant; basal foveæ large and deep, united by an impression extending from side to side, the dorsal groove attains the base and apex, the curved frontal impression is well marked; its whole surface is evidently striated across, has two rounded impressions near the middle, and many abbreviated aciculate marks at the base and apex. *Scutellum* depressed, wholly striate. *Elytra* oblong-oval, a little wider than thorax at the middle, moderately sinuated apically; punctate-striate, the punctures minute, interstices slightly elevated, the third with four, the seventh with six, setiferous punctures, eighth smooth, the lateral sculpture irregular. *Underside* glossy, pitch-black, and impunctate. *Antennæ* broken, three basal articulations nude. *Legs* stout, tibial spurs rather short.

When examined with the unaided eye, the transverse striolæ on the thorax are quite visible, whereas the thorax of each of the previously-published species would exhibit an almost smooth surface; the elytral rim forms an uninterrupted curve from the posterior sinuation to the base, but all the other species have more or less prominent (dentate) humeral angles; this latter character is therefore distinctive.

♂. Length, 10 lines; breadth,  $3\frac{1}{2}$ .

My specimen was found at Hicks Bay, East Coast, by Mr. P. Stewart-Sandager.

1333. **T. fultoni**, *n.s.* Oblong, slightly convex, shining-black; all the elytra and the sides and base of the thorax tinged with green, legs and antennæ piceous, tarsi pitchy-red.

*Head* moderately broad, a little inflated behind the prominent eyes, with the usual frontal impressions. *Prothorax* moderately transversal, broadest just before the middle, rounded laterally, narrowed and slightly sinuated towards the base, posterior angles rectangular, but little prominent; apex slightly but widely incurved, the base emarginated medially; disc slightly convex, feebly lineated across, dorsal groove well marked and not abbreviated, basal fossæ deep, united by a curved impression, marginal channels impunctate, a distinct puncture near each hind angle, some faint longitudinal lines in front and behind. *Scutellum* broadly striated at base. *Elytra* oblong-oval, humeral angles prominent, sides but little rounded, strongly sinuated apically; a little convex, punctate-striate, the punctures small and not approximated, interstices slightly elevated, just perceptibly impressed with short transverse lines, the third with three, the seventh with five or six, large punctures. *Legs* robust, femora clavate but not dentate. *Underside* glossy-black; impunctate.

Distinguished from No. 72 and its immediate allies in being larger, flatter, broader, and less narrowed medially and posteriorly; the head larger, thorax much less incurved apically, not ciliated at the base, a character which obtains in Nos. 65, 68, 71, 73, and *T.*

*humeralis*; the elytra much less oviform, more strongly and abruptly sinuated apically, and with flatter intervals between the striæ.

♂. Length, 9 lines; breadth,  $3\frac{1}{4}$ .

Named in honour of its discoverer, Mr. S. W. Fulton, Outram, Otago.

1334. **T. enysi**, *n.s.* Black, nowhere æneous, shining; legs and antennæ piceous.

*Head* large, smooth, its frontal impressions rather shallow, a little dilated round the eyes, these latter prominent. *Prothorax* sub-quadrate, rather deeply incurved in front, less so behind, sides rounded, sinuously narrowed posteriorly, hind angles almost rectangular; disc almost smooth, dorsal line abbreviated, basal foveæ deep, not perceptibly united, there being only a slight impression between them, curvedly impressed in front. *Scutellum* striate at base. *Elytra* oblong, shoulders moderately dentate, sides very slightly curved, apical sinuations moderate; slightly convex, finely punctate-striate, interstices nearly plane, the third with three, the seventh with several large punctures. *Legs* robust; *thighs* strongly inflated, the intermediate abruptly notched and grooved near the extremity, but without forming a distinct tooth below.

The structure of the middle femora allies this species to *T. difformipes*, but the tibiæ, though stout, are simple.

♂. Length, 9 lines; breadth,  $3\frac{1}{2}$ .

Mr. J. D. Enys, F.G.S., transmitted a mutilated specimen from Canterbury.

### Holcaspis (p. 37).

1335. **H. cribrale**, *n.s.* Elongate, slightly convex, glossy-black; palpi, antennæ, and legs piceo-rufous.

*Head* of moderate size, more or less finely rugulose. *Prothorax* quadrate, very little curved laterally, and but little contracted behind, posterior angles not prominent; basal foveæ deep, well-limited, and rather narrow; the dorsal furrow terminates before attaining the base or apex, the angulated frontal impression ends near each anterior angle in a fovea-like expansion, and the surface presents numerous transversal aciculate marks. *Scutellum* striate. *Elytra* oblong, sub-parallel, shoulders tubercular; in addition to the marginal sculpture, each elytron bears seven very irregularly-defined, interrupted striæ, consisting sometimes of large oblong depressions united by means of very fine linear impressions; at other parts these latter are obliterated, and the cavities assume the form of punctures; the interstices also are irregular, so that the sculpture somewhat resembles basketwork; the sinuations before the apices are rather deep and abrupt, and just at that point the sculpture ends in a broad groove. Male, legs robust; posterior femora expanded, deeply excised for the reception of the trochanters, and then angulated, so that the space between that angle and the extremity forms a nearly straight line; intermediate tibiæ considerably dilated. Female, legs more slender.



Length, 9 lines ; breadth, 3.

Some specimens of this species, both sexes, were found under logs on Mount Arthur, by Messrs. Cheeseman and Combes.

1336. *H. catenulata*, *n.s.* Narrow, elongate, sub-parallel, slightly convex, glossy-black ; palpi and antennæ blackish.

*Head* moderate, uneven above, with prominent eyes, mandibles wrinkled. *Prothorax* but little broader than long, base incurved, slightly wider before the middle than elsewhere, regularly but not strongly rounded laterally, and gradually narrowed towards the blunt posterior angles ; a little uneven, distinctly wrinkled transversely on the disc but longitudinally in front, the basal foveæ deep and sulciform ; dorsal line distinct, with a curved impression extending from one anterior angle to the other. *Scutellum* striate. *Elytra* elongate-oblong, their sides but little curved, humeral angles scarcely protuberant, sinuated behind ; striate, having small punctures in the grooves ; the sutural, third, fifth, seventh, and eighth interstices simple to beyond the middle, from thence irregular, the others more or less contracted and interrupted at uncertain intervals, all finely lineated across ; the seventh striae bear some punctiform impressions, and the margins several larger ones. *Legs* moderate, femora robust but not dentate. *Underside* pitchy-black, flanks of the sternum more or less rugose and punctate.

Allied to Nos. 74 and 83, as well as to *H. cribrale* ; yet readily enough identified by the obtuse hind angles of the thorax and the chain-like sculpture of the alternate interstices of the elytra.

Length, 8 lines ; breadth,  $2\frac{1}{2}$ .

Described from a male found by Mr. S. W. Fulton, of Outram, Otago.

### *Cerabilia* (p. 44).

1337. *C. punctigera*, *n.s.* *Body* elongate-oblong, sub-depressed, moderately shining, pitchy-black ; trophi and antennæ infuscate, legs rufo-piceous, tarsi rufescent.

*Head* short and broad, bi-sulcate ; labrum transverse, widely but not at all deeply hollowed ; eyes convex, prominent. *Prothorax* a little longer than broad, apex nearly truncate, base considerably emarginated, sides obtusely rounded, gradually incurved posteriorly, hind angles nearly rectangular but not protruding, lateral margins entire ; disc almost plane, with a distinct median groove, and two elongate, sulciform, basal foveæ situated midway between the middle and sides. *Scutellum* triangular, smooth. *Elytra* elongate-oblong, slightly rounded laterally, feebly sinuated apically ; striate, interstices flat, third tri-punctate ; the striae are obsoletely punctured, and the intermediate pairs unite near the apices. *Antennæ* longer than head and thorax conjointly, their three basal articulations destitute of pubescence. *Underside* black, sparingly punctured. The *mentum*, as described by Count de Castelnau, is toothless ; the *mandibles* are short and robust, but greatly curved and acute at the extremity ; the terminal joint of the maxillary *palpi* is rather longer than the penultimate and slightly obtuse at the apex ; the front *tarsi*

have three dilated joints, triangular, but emarginate at the apex, and spongy underneath as well as hispid.

♂. Length,  $5\frac{1}{4}$  lines; breadth, 2.

I have seen one only, much mutilated, labelled by Professor Hutton "Invercargill."

1338. *C. ruficorne*, *n.s.* Oblong, somewhat convex, glossy, pitchy-black; antennæ, palpi, and legs infusate-red.

*Head* rather short and broad; frontal depressions broad, shallow, and finely lineated; labrum much reduced, widely incurved; mandibles long and stout, arcuated apically; eyes moderate, not very prominent. *Prothorax* sub-quadrate, base and apex nearly entire; sides very little rounded, gradually narrowed till near the posterior angles, where they are straight, or nearly so, the angles rectangular but not projecting; disc nearly plane, its dorsal groove extending from the hind margin to near the apex, basal foveæ elongate; quite sulciform. *Elytra* oblong-oval, scarcely sinuated apically; moderately striated, the striæ more or less confluent posteriorly, the four sutural only distinctly yet rather finely punctured, interstices simple. *Antennæ* short and stout, their three basal joints glabrous. *Palpi* robust, terminal articulations of all quite oval and acuminate. *Legs* stout; anterior tibiæ somewhat dilated, intermediate externally and inwardly spinose, the posterior inwardly, and arcuated. The stout palpi (maxillary and labial), with their perfectly oval terminal joints pointed at the extremity, distinguish the insect. The mentum is concave, but not apparently dentate. The characters do not correspond with those assigned to the genus by Castelnau; nevertheless I must refer it to *Cerabilia* until the difficulties connected with the paucity of entomological literature and collections can be surmounted.

Length,  $2\frac{1}{2}$  lines; breadth, nearly 1.

Mr. P. Stewart-Sandager recently sent me two examples, both females, from Wellington.

### Group—POGONIDÆ.

#### *Ööpterus* (p. 54).

1339. *O. carinatus*, *n.s.* Convex, oblong-oval, moderately glossy, dark-castaneous; the suture and margins of the elytra rufescent; legs fulvous; labrum, palpi, and antennæ ferruginous.

*Head* sub-trigonal, with a groove close to each eye, and a broad, irregularly-formed one nearer the middle, united to its fellow by means of a curved impression proceeding from the base of each mandible; epistome bi-punctate; labrum truncate. *Prothorax* longer than broad, sub-oblong, finely marginated, a little narrowed anteriorly, behind nearly straight, yet just visibly sinuated before the rectangular, but not at all projecting, hind angles; the median groove is feebly impressed, the basal foveæ are large and distant from the sides, and the interval is punctate; the narrow marginal channel is separated from the basal foveæ by a very evident carina extending forwards from the hind edge. *Elytra*



broad, oviform, moderately convex, finely striate; interstices nearly plane, the third quadri-punctate, the sixth terminating in a sharp curved carina; a few distant punctiform impressions appear along the sides. The *antennæ* reach backwards almost to the intermediate femora; their second joint is more slender but nearly as long as the first; these two articulations are nude, the others pubescent. In the *male* the two basal joints of the anterior tarsi are strongly produced inwardly at the extremity; the elytral striæ are just perceptibly punctulated, the thorax rather shorter, and the whole insect darker in colour than in the other sex; but, notwithstanding these discrepancies, I consider my two specimens to be the sexes of one species only.

Length,  $3\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

Collected by Mr. P. Stewart-Sandager near Wellington.

The insect No. 1145 (Manual of the New Zealand Coleoptera, Part II., p. 655) is a female, and must be removed from *Tropopterus* so as to become known as *Oöpterus patulus*.

### Group—BEMBIDIIDÆ.

#### *Bembidium* (p. 55).

1340. *B. musæ*, *n.s.* Convex, robust; head and thorax glossy-æneous; elytra testaceous, their surface with three large irregularly-formed fusco-æneous spaces, striæ æneous; palpi, legs, and three basal articulations of the antennæ testaceous-yellow.

*Head* broad, much narrowed anteriorly; foveæ large, broad, and shallow; eyes convex, very prominent. *Prothorax* obtusely rounded towards the front, gradually narrowed till within a short distance of the base, where it is considerably contracted, but straight, so that the posterior angles do not project; there are a few linear impressions behind the disc, an obvious transversal depression in line with the foveæ, these latter being very small and narrow, and situated close to the angles; its front exhibits an evident curved impression extending from one anterior angle to the other, and a shorter one behind it; the lateral margins, distinct enough near the middle, become obsolete in front. *Elytra* broadly oval, gradually narrowed posteriorly, punctate-striate; interstices broad and plane, third bi-punctate; the scutellar and three inner striæ only attain the base, where the first and second become confluent, and the punctuation of all is more or less obliterated beyond the hind thighs. *Legs* long and stout; the basal joint of the front tarsi strongly developed, oblong, and, like the following transversal one, considerably produced inwardly and hispid. *Palpi* robust, hirsute.

♂. Length, 3 lines; breadth,  $1\frac{1}{4}$ .

A single individual, allied to *B. anchonoderum*, was obtained by Mr. T. F. Cheeseman, F.L.S., on Mount Arthur.

1341. *B. latiusculum*, *n.s.* Sub-depressed, rather broad, shining, bluish-black, occasionally somewhat bronzed; legs, palpi, and antennæ dark-piceous, tarsi pitchy-red.

*Head* with rather deep, broad, and slightly rugulose foveæ, and a distinct punctiform impression near each eye. *Prothorax* slightly convex, a good deal narrowed behind, its posterior angles nearly straight and not projecting; the abbreviated dorsal groove is neither broad nor deep, the basal impressions are narrow and placed close to the angles, and the disc is finely wrinkled transversely. *Elytra* broad, but curved laterally, nearly plane above; punctate-striate; the sutural stria only reaches the apex, where it is recurved towards the second; the sixth and seventh become indistinct, the latter before, the former behind, the posterior femur, the two inner converge toward the base, which is otherwise almost smooth; interstices almost flat, the third with four, the fifth with two, setigerous punctures; the oblique apical groove and scutellar stria are well marked.

Allied to *B. charile*, but with a broader thorax and the elytra not attenuated apically; the presence of four sutural punctures on each elytron, and the abbreviation of the external striæ, distinguish it from *B. maorium*. The grey hairs on the penultimate joint of the maxillary palpi, though sufficiently conspicuous, do not appear unusually long. The basal articulation of the anterior tarsi of the male is oblong, the second prolonged inwardly.

Length, 3 lines; breadth,  $1\frac{1}{4}$ .

Discovered by Mr. T. F. Cheeseman, F.L.S., on Mount Arthur.

## Group—PERICALIDÆ.

### Scopodes (p. 67).

1342. *S. venustus*, *n.s.* *Body* almost convex, glossy; head and thorax cupreous (*i.e.* reddish), elytra silky bronzed-black, antennæ and tarsi black, legs more or less æneous.

*Head* finely striatè, irregularly in front, longitudinally behind. *Prothorax* about as long as broad, cordate, the lateral margins slightly angulated near the middle, from thence narrowed till near the base, where, instead of forming the posterior angles, they bend inwardly till quite obsolete; its surface is impressed with a distinct median groove and fine transversal striæ. *Elytra* oblong, obliquely sinuated apically, bearing shallow striæ, and on each elytron three large but not deep foveæ.

The coppery head and thorax, the latter without a trace of posterior angles, will render its identification easy.

Length,  $2\frac{3}{4}$  lines; breadth, 1.

One example of this charming beetle was found by Mr. T. F. Cheeseman, Esq., F.L.S., on Mount Arthur.

1343. *S. planus*, *n.s.* Black tinged with green; slightly convex.

*Head* rugulose in front, longitudinally striate elsewhere. *Prothorax* cordiform, rather narrow, irregularly striated transversely, without posterior angles. *Elytra* oblong, obliquely sinuated apically, feebly striated, the four hind foveæ obsolete, the basal represented by evident punctures. In form like *S. venustus*, the thorax

narrower, but with precisely similar margins; the intermediate tibiæ are very perceptibly flexuose; the metallic green tinges are inconstant, one tibia being green whilst the others are black.

Length,  $2\frac{3}{4}$  lines; breadth, 1.

Mr. Cheeseman obtained one specimen on Mount Arthur.

1344. **S. tardus**, *n.s.* Æneous; thorax reddish, elytra infusate, legs and antennæ blackish.

*Head* unevenly and finely strigose, behind longitudinally. *Prothorax* rather narrow, cordate, the sides acutely angulated near the middle, from thence incurved, and again dentate before attaining the true base; the median furrow is well defined, and the whole disc striated across. *Elytra* oblong, incurved before the middle, obliquely sinuated posteriorly; each elytron bears three distinct punctiform foveæ of a bluish colour, and several indistinct interrupted striæ.

Quite distinct from *S. fossulatus*. The posterior projections of the thorax (they can hardly be termed true hind angles) are less conspicuous than in *S. multipunctatus*, probably its nearest ally; the apices of the elytra are more decidedly oblique, and their striæ are indicated by the difference in coloration rather than actual impressions when viewed from behind, but can be discerned when examined sideways.

Length,  $2\frac{1}{4}$  lines; breadth, 1.

Another of Mr. Cheeseman's captures on Mount Arthur. I have seen one mutilated specimen only.

1345. **S. pustulatus**, *n.s.* Sub-depressed, shining; head cupreous reddish-black; elytra silky-black, slightly tinged with red; legs and antennæ blackish.

*Head* finely sculptured behind lengthways. *Prothorax* moderately broad, laterally angulated near the middle, from that point curvedly narrowed, the margins incurved at the base without forming posterior angles; surface finely and irregularly strigose, and with an obvious dorsal groove. *Elytra* broadly oblong, obliquely truncated behind, bearing shallow striæ, and on each three large deep foveæ.

On comparing this species with *S. edwardsi*, it will be noticed that the thorax is much broader and more sinuously contracted behind; the elytra also are broader and their extremities more truncate, and on their sides, in line with the middle and hind thighs, are large, velvety-black, blister-like spots, most easily seen when looked at from behind.

Length,  $2\frac{1}{4}$  lines by nearly 1 line.

The only individual I have seen was sent to me from Wellington by Mr. P. Stewart-Sandager.

## Group—HYDROBIIDÆ.

### Rygmodes (p. 79).

1346. **R. puncticeps**, *n.s.* Ovate, convex, shining; head and thorax black, legs and basal joints of antennæ slightly rufescent, club opaque, elytra greenish-blue.



*Head* narrowed anteriorly, with raised margins, densely and distinctly but not coarsely punctured; clypeus nearly truncate. *Prothorax* transverse, narrowed towards the front, finely and closely punctulated, bi-foveate at base. *Scutellum* elongate, triangular, almost imperceptibly punctulated. *Elytra* convex, punctate-striate; interstices convex, closely punctulated. *Legs* elongate. Underside dull-black, closely and finely sculptured.

Most nearly approaches *R. cyaneus*; differs from it in having longer antennæ, a more obviously punctured head, with three more or less distinct foveæ on the vertex, more finely sculptured thorax, and the elytra, instead of presenting a nearly even slope, have deeper striæ with elevated intervals.

Length,  $2\frac{3}{4}$ – $3\frac{1}{4}$  lines; breadth,  $1\frac{1}{2}$ – $1\frac{3}{4}$ .

The insect was found by Mr. T. F. Cheeseman, F.L.S., on *Aciphylla lyalli*, growing at an elevation of about 5,000 feet, on Mount Arthur.

## Group—PSELAPHIDÆ.

### Gastrobothrus.

#### Nov. gen.

Maxillary palpi quadri-articulate; basal joint minute; second elongate, arcuated, gradually incrassated; third stout, as long as broad, sub-globose; fourth large, ovate, as long as, but stouter than, second. *Head* moderate, narrowed behind. *Mandibles* robust, acute at apex, dentate inwardly. *Antennæ* distant, inserted in lateral cavities in front of but not close to the eyes; first joint stout; 2–9 cylindrical; second shorter than third; 3–7 about equal; eighth short, sub-quadrate; ninth larger than the preceding one; tenth distinctly larger than ninth. *Eyes* small, prominent, coarsely faceted. *Prothorax* sub-globose, with a large fovea at each side, rather broader than head. *Elytra* not much longer but much broader than thorax, considerably narrowed towards the base, deeply sinuated behind. *Hind-body* broad, marginated, apical segments deflexed. Abdomen large, the intermediate segments deeply excavated, appearing quite hollow; the inner margin of the penultimate widely emarginate, the extremities forming two corneous protuberances; apical segment entire. *Legs* stout, tibiæ flexuose; *tarsi* with a minute basal joint, second and third about equal, terminated by one claw.

An extraordinary insect (No. 230) is the type, which becomes *Gastrobothrus abdominalis*, and should precede *Bryaxis*. The antennal tubercles are separate, and there is a large fovea near each eye.

NOTE.—*Parmipalpus*, p. 662. Structure of maxillary palpi should be read "first joint minute; second longest, slightly but widely incurved in front, almost triangularly dilated medially behind, and there setigerous; fourth about as large as the head, nearly round, somewhat truncated outwardly, with a small round notch near the back part of its outer margin; the third is longer than broad, and dilated apically."

No. 245 should be placed near *Tyrus mutandus*, though the palpi are not quite of the orthodox pattern.

## Eupines.

King.

*Body* rather short, convex. *Head* obsoletely bi-foveolate. *Prothorax* smooth, not at all foveolate. *Elytra* without dorsal striæ. *Antennæ* 10-jointed, robust, distant at base, almost bi-clavate. *Maxillary palpi* quadri-articulate, terminal joint fusiform. Basal joint of the posterior tarsi short, the two last much elongated, with one claw.

The above constitute the essential characteristics of Mr. King's genus, which differs from *Bryaxis* in the form of the terminal joints of the antennæ.

1347. **E. rudicorne**, n.s. Convex, shining, sanguineous; elytra and legs dilute in colour.

*Head* sub-quadrate, quadri-foveolate. *Prothorax* rounded laterally, narrowed posteriorly, unimpressed. *Elytra* considerably longer and broader than thorax, truncated apically, each elytron with a fine sutural stria, otherwise unmarked. Hind-body convex, deflexed, sparsely pubescent, not perceptibly punctured. *Antennæ* pubescent; basal joint larger than the immediately following ones; second stouter than third; joints 3-6 about equal; seventh much broader than the preceding one; eighth nearly twice the breadth of the sixth, very short, angulated inwardly; ninth excessively large, produced outwardly, narrowed towards the extremity; tenth about as large as ninth, elongate-oblong. *Tibiæ* flexuose.

The structure of the antennæ is unusual; the first eight articulations form the stalk; the two terminal are, individually, nearly as long as the preceding eight conjointly, at least twice as broad, hispid, and coarsely sculptured, and, though furcate, appear capable of converging so as to form a massive oblong club; the penultimate terminates in an acute fulvous point, whilst the tenth appears as if furnished with an appendage or minute apical joint.

♂. Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{8}$ .

Described from a single individual communicated by Mr. P. Stewart-Sandager, of Wellington.

NOTE.—No. 232 must be associated with the above so as to become *Eupines clavatus*. Its description appears on p. 126, Man. N.Z. Coleop., but the antennæ are only 10-jointed, not 11; the error will seem pardonable when the last two joints are carefully examined under a high magnifying power—the deep inward notch and the presence of a suture on the outside of the basal portion of the ninth joint appear to mark it off from the larger part beyond. In the description the eleventh joint must stand for tenth. The terminal joints may be thus characterized: Ninth enormously developed, its basal portion appearing as if it formed a distinct joint, transverse, and quite twice the breadth of the eighth; it is then strongly produced outwardly, so as to be quite six times broader than the eighth, and is deeply notched or hollowed on the inner side; tenth, large, cordiform.

**Euplectus** (p. 139).

1348. **E. tuberigerus**, *n.s.* Shining; head and thorax red, elytra and hind-body slightly infusate; legs, antennæ, and palpi fulvescent; pubescent.

*Head* convex, vertex bi-foveolate, rather coarsely punctured, the middle least so. *Prothorax* about as long as broad, rounded laterally; with a large fovea near each side prolonged forwards, a transversal impression near the base appearing to unite with the former, and a longitudinal cavity on the disc; its surface is less coarsely sculptured than the head, particularly on the dorsum; it bears some short, brassy hairs. *Elytra* longer and broader than thorax, their sides slightly rounded, each with an entire sutural and abbreviated striæ, the latter broad at base but attenuated at the middle: they bear numerous short brassy hairs and seem densely but finely punctulated. *Hind-body* rather shorter than elytra, the three dorsal segments equal, the others more abruptly deflexed, the third protuberant medially; clothed like the elytra. *Legs* stout, tibiæ arcuated externally. *Antennæ* pubescent, stout, as long as head and thorax; second joint as long as exposed part of the first; third smaller than second; joint 4-8 moniliform; ninth and tenth transverse, much larger than the preceding ones; eleventh large, ovate, pointed.

The chief peculiarity of this species consists in the structure of the third abdominal segment; this is gradually raised towards the middle, thereby assuming the form of an apical protuberance.

Length,  $\frac{3}{4}$  line; breadth, nearly  $\frac{1}{4}$ .

I found my specimen somewhere near Whangarei Harbour.

**Group—SILPHIDÆ.****Necrophilus,**

*Latr.*

*Lacord.*; *Hist. des Ins. Col.*, Tom. II., p. 205.

Allied to *Silpha*, more particularly to *Silpha atrata*, but exhibiting the following differences:—

*Ligula* rather more emarginated. Internal lobe of the *maxillæ* unarmed or destitute of spines at the extremity. *Palpi* more filiform. *Mandibles* simple at apex. *Antennæ* moderate, rather stout; third joint nearly always longer than the basal one, joints 2-6 sub-moniliform, 7-11 forming a club, gradually widened and serrate. *Prothorax* transversal, narrowed and emarginated in front, truncate at base. Intermediate *coxæ* contiguous. The four basal joints of the anterior and intermediate *tarsi* a little dilated among the males.

1349. **N. prolongatus**, *Sharp*; *Ent. Mon. Mag.*, July, 1881, p. 47).

Niger, nitidus, lævigatus; antennarum basi rufescente; prothoracis lateribus late testaceis; elytris ad apicem attenuatis, ultra abdominis apicem prolongatis, subtiliter striatis, striis in partem prolongatum profundioribus et fortiter punctatis.



Long., 10 mm.; lat.,  $4\frac{3}{4}$  mm.

*Antennæ* with the five basal joints piceo-rufous, slender, and shining, the apical five abruptly broader than the others, fuscous-black, densely pubescent and opaque. *Head* closely and finely punctured, even in front; the clypeal suture indistinct, angulate in the middle. *Thorax* rather strongly transverse, the front angles extremely rounded off and indistinct, and not projecting farther forwards than the middle of the front margin; the disc sparingly and obsoletely punctured, the explanate yellow sides more distinctly punctured. *Elytra* rather narrow and elongate, with their apices prolonged, and the prolonged portion abruptly bent down; they are rather finely striate, but the interstices are somewhat convex, and the seventh is elevated at the shoulder; the striae are provided with fine distant impressions or punctures; on the apical, and more especially on the lateral-apical portion, the sculpture becomes deeper and coarser, so that the outer stria bears some very large deep impressions. On the under-surface it is seen that this apical portion of the wing-cases projects quite beyond the hind-body. The two individuals described are females.

The species appears structurally very similar to the European and North American species of *Necrophilus*, and the peculiar form and sculpture of the wing-cases would not at present justify its being treated as a distinct genus.

Greymouth, Helms.

### Group—ANISOTOMIDÆ.

Posterior *coxæ* contiguous. Maxillary *palpi* not much longer than the labial. *Prothorax* narrowed anteriorly. Hind *trochanters* small, placed within the axis of the femora. *Tarsi* variable. *Meta-thoracic parapleuræ* partly or entirely covered by the lateral margins of the elytra.

### Clambus.

*Fisch. de Waldh.*

*Lacord.; Hist. des Ins. Col., Tom. II., p. 222.*

*Ligula* corneous, dilated towards the front, its apex rounded. Lobes of the *maxillæ* sub-equal; the inner the larger, ciliated inwardly and at the extremity; the external filiform, very slender, pubescent at the apex. Labial *palpi* with the basal joint very short, second pyriform, third rather shorter, globose and acuminate; first joint of the maxillary also short, joints 2-4 globuliform, fourth pointed. *Mandibles* terminating in two sharp elongate hooks. *Labrum* very small, concealed below the clypeus. *Head* very broad, narrowed and obtuse in front, deflected. *Antennæ* 9-articulate, basal joint stout, oviform; second long and slender; third about half as long as its predecessor; joints 4-7 short; eighth very robust, campanulate; ninth not so broad, ovate. *Prothorax* short, rounded at the base, where it equals the elytra in width, narrowed anteriorly. *Scutellum* large, triangular. *Elytra* very convex, gradually narrowed

behind. *Legs* moderate. Hind *coxæ* very large, lamellate, covering the femora. *Tarsi* four-jointed. *Body* globuliform, contractile, winged.

1350. **C. domesticus**, *n.s.* Convex, sub-globose, sparsely pubescent, shining-black; legs, antennæ, and trophi yellowish.

*Head* sparingly clothed with fine yellowish hairs, deflexed. Terminal joint of maxillary *palpi* sub-conical, acuminate. *Antennæ* shining, basal joint robust; second long and slender, cylindrical; third and fourth of similar form, conjointly, elongate; joints 5-7 short, gradually dilated; club bi-articulate, the basal joint the larger. *Prothorax* apparently impunctate, closely adapted to the elytra, narrowed and depressed anteriorly, its margins somewhat testaceous, bearing a few excessively small grey hairs. *Scutellum* large, triangular. *Elytra* convex, curvedly narrowed and declivous posteriorly, without distinct sculpture, with numerous erect minute grey hairs. *Underside* brown, moderately glossy, finely linearly sculptured, clothed with fine pallid hairs.

Length,  $\frac{3}{8}$  line; breadth,  $\frac{1}{4}$ .

Caught on the windows of my house at Tairua.

1351. **C. vestitus**, *n.s.* Sub-ovate, convex, moderately nitid, obviously pubescent, variegate.

*Head* piceo-fuscous. *Prothorax* dark-brown, the sides and base testaceous, densely but very minutely sculptured, clothed with rather long, pale brassy hairs. *Scutellum* large. *Elytra* convex, rather long, rounded laterally and behind, densely but minutely punctated, clothed with rather long and coarse pallid hairs; their colour dark-brown, the sutural region and other large spots pale-testaceous.

Length,  $\frac{5}{8}$  line; breadth,  $\frac{3}{8}$ .

Larger, less globular, and far more distinctly hirsute than the preceding or following species.

Two found by Mr. P. Stewart-Sandager, Port Nicholson.

1352. **C. suffusus**, *n.s.* Broad, obovate, convex, a good deal attenuated posteriorly; glossy, nude above, dark-brown, with the head and sometimes the thorax and the middle of the elytra rufescent, legs and antennæ yellowish.

*Head* shining, apparently quite smooth. *Prothorax* very broad at the base, greatly contracted in front, without distinct sculpture. *Scutellum* large. *Elytra* large, very broad at the base, but considerably narrowed behind, exhibiting no distinct sculpture, but with the suture somewhat elevated posteriorly. *Abdomen* fuscous, clothed with rather coarse yellowish hairs.

The *body* is unusually broad at the middle and a good deal attenuated behind. The *colour* is variable, one of my two specimens being almost wholly piceous.

Length,  $\frac{1}{2}$  line; breadth,  $\frac{3}{8}$ .

Hab., Wellington; coll., Mr. Sandager,

## Group—SYNCHITIDÆ.

*Ablabus* (p. 183).

1353. *A. brevis*, *n.s.* Oblong, rather broad and convex; rufo-piceous, clothed with pale yellow, almost griseous, scale-like setæ; legs and antennæ red; underside pithy, covered with granules and fine yellow hairs.

*Head* granulated. *Prothorax* broader than long, transversely convex, somewhat uneven, but without conspicuous tubercles or depressions, granulated; sides explanate, four-lobed, the front lobe largest, the basal small and distant from the elytra. *Elytra* oblong, apices obliquely rounded, sides more or less dentated; disc somewhat plane, rather uneven, apparently punctate-striate, with a distinct compressed elevation on each side of the scutellum, two rounded ones behind, and others nearer the sides. *Legs* finely hirsute.

The insect has been denuded of the scale-like greyish covering. When just found it seems rougher, the elytra, for example, appearing to have four rows of tubercles, four in each, and the thorax with a medial groove and three basal depressions.

Comes near *A. ornatus*, but that species may be distinguished at a glance by the large black triangular space on the side of each elytron.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{1}{2}$ .

Habitat, Tairua (Auckland).

## Dryptops.

*Nov. gen.*

Intermediate between *Tarphiomimus* and *Ulonotus*, having the facies of the former, but differing in the less developed basal articulation of the tarsi.

Maxillary *palpi* stout, terminal joint ovate, not acuminate. *Antennæ* 11-articulate, basal joint stout, partially concealed from above, second short, third elongate, joints 4–8 sub-obconical and nearly equal; club large three-jointed. *Prothorax* deeply lobed at the sides. *Elytra* serrate laterally, their apices more or less prolonged and somewhat divergent. *Legs* moderate; *tibiæ* denticulated externally; *tarsi* four-jointed, the three first joints conjointly rather shorter than the last, about equal to one another. *Body* sub-oblong, longitudinally elevated along the middle, its sides explanate.

1354. *D. dorsalis*, *n.s.* Griseous; tarsi, antennæ, palpi, and labrum red; sub-oblong, transversely convex.

*Head* granulated. *Prothorax* sub-cordate, its sides with deep median indentations, forming two large lobes more or less incised along their margins; disc considerably elevated longitudinally, broadly canaliculate, bearing two conspicuous frontal protuberances. *Elytra* oblong, base tri-sinuate, lateral margins serrate, obliquely narrowed posteriorly, apices prolonged, leaving a deep sutural notch; the dorsum raised, with a rather gradual slope from the sides, so that these latter are not at all vertical, with a row of five tubercular



elevations on each side of the median groove, the basal laterally compressed and carina-like, those near the posterior declivity most prominent but rounded; just beyond these (laterally) are two others placed near the middle. *Legs* finely hispid, outer edge of tibiae with numerous short denticles.

When denuded of the greyish sappy or scale-like matter, it will be seen that the head and thorax are irregularly granulated; the elytra bear regular rows of granules, there being four such on the discoidal elevation, and seven on each side; of these latter the six inner form pairs; these nodules or granular elevations are glossy, and in some lights give a punctate appearance to the elytra; the interstices are brown, but the insect otherwise is almost wholly ferruginous, with short yellow setae on the more elevated parts.

Length, nearly 3 lines; breadth,  $1\frac{1}{4}$ .

I found one example on the Waitakerei Range.

NOTE.—No. 325, *Tarphiomimus acuminatus*, belongs to this genus.

1355. **D. undosus**, *n.s.* Uneven, sub-oblong; piceous, variegated with greyish to fuscous; setae, antennae, and tarsi dark-red.

*Head* granulated; antennal orbits large. *Prothorax* transversal, considerably contracted behind, its sides nearly flat and divided into five lobes, the anterior largest, posterior angles rectangular; dorsum considerably raised, with three laterally compressed elevations on each side, the frontal largest and porrected; it bears numerous granules. *Elytra* oblong, margins serrate, apices protuberant; disc elevated, broadest behind, with vertical sides, granulated, with a large basal, median, and ante-apical depressions; the sides of the disc are irregularly raised, and bend inwards in such a manner as to partly isolate the hollows; all but the basal are interrupted by the raised suture, so that there appear to be five depressions instead of three; the margins terminate behind in two obvious protuberances having a large semi-circular intervening gap. *Legs* clothed with fine yellowish setae, the tibiae with many denticles on their outer edge.

The insect is remarkable on account of the whole disc of the elytra being abruptly elevated, the raised edges being nearly on a line with the side margins, and the posterior protuberances extending nearly as far as the apices, whilst the enclosed space seems, at first sight, one large depression.

Length,  $2\frac{1}{2}$ – $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{5}$ – $1\frac{3}{8}$ .

I have seen two specimens only; one has been returned to Mr. Sydney W. Fulton, who found both at Outram, Otago.

## Recyntus.

*Nov. gen.*

*Body* rather short and broad, convex, tuberculate, setose.

*Head* sub-trigonal; eyes convex, coarsely faceted; antennal insertion at the sides in front of the eyes, prolonged as a smooth groove along the front and side of each eye. Last joint of maxillary palpi thick, obtuse. *Antennae* 11-articulate; basal joint stout,

cylindric; second also stout, yet much smaller than first, third elongate; joints 4-8 decrease in length, eighth transverse; *club* distinctly three-jointed, the two basal transversal, eleventh joint rounded. *Prothorax* uneven, about as long as broad, obtusely produced in front, its sides explanate and lobed. *Scutellum* small. *Elytra* very convex generally, sinuate at base, longer than thorax. *Legs* stout; *tibiæ* compressed; *tarsi* four-jointed, the three basal short, the first rather larger than second, the terminal longer than the other three conjointly; *claws* well-developed, thickened at base. *Prosternum* deeply emarginate at apex. *Metasternum* rather short. *Abdomen* with five segments, the fourth shortest. *Coxæ* nearly equidistant.

Allied to *Syncalus*, but having the intermediate and posterior legs more approximated. The explanate sides of the thorax are deeply indented so as to form obvious lobes; sometimes the hind angle of the front lobe and the anterior of the one next to it almost meet, thus leaving an opening or hole right through the side of the thorax.

1356. **R. exiguus**, *n.s.* Convex, short and broad, rough, pitchy-red; legs and antennæ ferruginous, partially covered with yellowish setiform scales.

*Head* immersed up to the eyes, in front depressed and of a brick-red colour, granulate; antennal elevations not prolonged, rounded. *Antennæ* moderate, pubescent, basal articulation red, cylindric, second stout, about as long as broad, third slender at base, longer than the contiguous ones, joints 4-8 decrease in length, obconical; club large, its middle joint transverse, the terminal rounded. *Prothorax* transversal, convex; sides explanate, divided into four lobes, the anterior largest, forming acute front angles attaining the eyes, the fourth leaving a gap between it and the base of the elytra; disc transversely convex, grooved longitudinally, with three elevations on each side, the median most elevated; bearing tubercles or granules. *Elytra* as broad and nearly twice as long as the thorax, much elevated, but with a somewhat flattened disc, sides nearly vertical, abruptly declivous behind, lateral margins multi-dentate; their sculpture consists of several rows of granules, causing the surface to appear rugose; there are two prominent rounded elevations on the summit of the hind slope, and a laterally compressed one near each shoulder; the humeral angles do not reach the base of the thorax; the pale-yellow squamosity is chiefly confined to the base and sides.

In its natural state the insect is covered with greyish sappy matter; this conceals the true colour and sculpture, and, when examined in that state, more tubercular elevations appear on the elytra.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

My specimen was found near Whangarei Harbour.

NOTE.—On page 191 I pointed out that *Ulonotus tuberculatus* (No. 340), *U. insignis*, and *U. salebrosus* should be associated together in a distinct genus; *Recyntus* is enunciated for these three and the present species; No. 340 may be considered the type.

**Coxelus** (p. 195).

1357. **C. clarus**, *n.s.* Bright, head and thorax red, elytra and antennæ ferruginous, legs rufo-testaceous; clothed with fine elongate setæ.

*Head* granulated, with fine erect yellow setæ. *Prothorax* rather broader than long, moderately and gradually narrowed towards the base, lateral margins rather broad, closely dentated and fringed with yellow setæ; granulated above, with an elongate dorsal depression and five others, the two near the base largest, the smallest in front of the scutellum, the remaining two before the middle. *Elytra* oblong, sides and apex nearly vertical, the edges rough, like the thorax, broadly impressed near the middle; their sculpture consists of numerous rows of coarse punctures. *Antennæ* rather short, club well limited. *Legs* stout, clothed with yellow hairs.

In *C. robustus* there is scarcely any thoracic depression; *C. dubius* has a dorsal impression; and *C. similis*, if I am right in judging my specimen to represent that species accurately, has four or five indistinct impressions. The setæ with which this species is clothed are slender, and of a bright yellow, the legs bearing hairs: in this respect it differs from all the other species, they having fuscous setæ intermingled with the greyish or pallid ones.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$  line.

Hab., Parua. I have only one individual in my collection.

**Group—PYCNOMERIDÆ.****Pycnomerus** (p. 208).

1358. **P. rufescens**, *n.s.* Nitid red, elytra paler than thorax.

*Head* rather coarsely but not densely punctured, with large and deep frontal foveæ. *Prothorax* longer than broad, gradually narrowed towards the base, feebly bi-impressed on the disc and near the middle of each side, moderately coarsely and distantly punctured, but with the more elevated spaces so sparingly punctured as to seem nearly smooth. *Elytra* coarsely punctate-striate. *Legs* long and robust. *Antennæ* short, their terminal joint distinctly marked off from the penultimate.

Larger than *P. minor*; distinguished at once by the sparsely punctate thorax, longer legs, and difference in antennal structure.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{1}{2}$  line.

My specimen was found near Whangarei Harbour.

1359. **P. basalis**, *n.s.* Sub-parallel, shining, dark-red.

*Head* somewhat quadrate, punctate, deeply bi-foveate. *Prothorax* oblong, very gradually narrowed posteriorly, indistinctly impressed on the dorsum, moderately coarsely punctured, three linear dorsal spaces somewhat more remotely. *Scutellum* obsolete. *Elytra* elongate, oviform, coarsely punctate-striate, their humeral angles prominent. *Legs* stout, anterior tibiæ distinctly ciliated inwardly with short yellow hairs. *Antennæ* normal, club obviously bi-articulate.



With the exception of *P. simplex* and *P. ellipticus* the New Zealand species exhibit a truncate elytral base; in the present one the base is emarginate, with the shoulders dentate and porrected, and consequently conspicuous.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{1}{2}$  line.

From the same locality as *P. rufescens*.

#### FAMILY—CUCUJIPES.

#### Group—PASSANDRIDÆ.

*Jugular piece* strongly developed, concealing the maxillæ. *Ligula* strongly bi-lobed among the greater number. *Antennæ* filiform, or nearly so. *Tarsi* pentamerous in both sexes, the basal articulation frequently very small.

#### Chætosoma.

Westwood.

Lacord.; *Hist. des Ins. Coléop.*, Tom. II., p. 399.

*Mentum* strongly transversal, considerably sloped anteriorly, rounded laterally. Projecting *jugular piece* absent. *Ligula* deeply cleft, so as to form two narrow lobes, ciliated in front. Lobes of the *maxillæ* broad, ciliated at the extremity; the external longer than the inner. Last joint of the labial *palpi* oval, arched and obliquely truncated at apex; that of the maxillary gradually thickened and obtuse at the end. *Mandibles* prominent, robust, trigonal, feebly arched apically, bi-dentate inwardly. *Labrum* short, sinuated, with rounded angles. *Head* rather long, as broad as thorax. *Eyes* moderate, rounded. *Antennæ* elongate, filiform, clothed with long hairs; basal joint short, sub-globose, second very short, joints 3–10 about equal, each rather slender at base, eleventh sub-ovate. *Prothorax* quadrate, about the same width as elytra. *Elytra* elongate, parallel, humeral angles prominent. *Legs* moderate, *femora* stout; *tibiæ* slightly and gradually dilated; *tarsi* with four short basal joints, ciliated below, fifth large; *claws* thickened at base. *Body* elongate, parallel, sub-depressed, clothed with rather long hairs.

1360. **C. scaritides**, Westwood. Parallel elongate, rather plane, shining, bearing erect longish hairs, pitchy-black; legs and four elytral spots (two basal, two apical) rufescent.

*Head* (excluding the mandibles) quadrate, about as broad as but shorter than thorax, epistome smooth, occiput closely punctured, the front with linear impressions, eyes prominent. *Prothorax* nearly square, slightly narrowed towards the base, marginated; its punctures oblong, closest on the dorsum, longer and more distant on the sides, with a smooth space on each side of the middle. *Scutellum* oblong, smooth. *Elytra* arcuated at base, with rows of punctures, coarsest near the sides. *Sternum* blackish; *abdomen* infusate-red.

The above describes a specimen recently sent me by Mr. Sydney W. Fulton, Outram, Otago, and agrees with remarks appended by Lacordaire to the generic diagnosis. I have not seen Professor West-

wood's description. Nearly all the other examples I have examined are almost wholly black, and some larger than the one alluded to.

Length, 4 lines; breadth, 1.

Habitat, New Zealand (*id est*, not local).

## Group—BRONTIDÆ.

### Parabrontes (p. 220).

1361. *P. setiger*, *n.s.* Elongate, depressed; head and thorax and irregular spaces on the elytra piceous, antennæ and trophi castaneous-red, legs fusco-testaceous.

*Head* longitudinally rugosely punctate, with two smooth grooves from the labrum to the occiput. *Prothorax* longer than broad, narrower than elytra, anterior angles protuberant and rufescent, considerably contracted behind, sides obtusely dilated after the middle; its discoidal sculpture irregularly rugose, the lateral granular. *Scutellum* transversal, blackish. *Elytra* elongate, parallel, marginated, obtusely rounded apically, transversely depressed near the middle; coarsely punctate-striate, sides vertical except near the middle; the dorsum rather sharply defined from the shoulders to near the apices, but with the carina incurved medially. The clothing consists of fine brassy setæ, scarcely apparent on the thorax.

When the thorax of this species is compared with that of *P. silvanoides*, it will be noticed that the three or four dentiform projections on the sides of the latter are quite absent, and that it is shorter and broader. The prevailing colour on the elytra is testaceous-brown.

Length, nearly  $2\frac{1}{2}$  lines; breadth, nearly  $\frac{3}{4}$  line.

Mr. P. Stewart-Sandager sent me a mutilated specimen from the vicinity of Port Nicholson.

## Group—LATHRIDIIDÆ.

### Corticaria (p. 234).

1362. *C. tarsalis*, *n.s.* Sub-ovate, a little convex; shining, sparingly clothed with long, erect greyish hairs; variegate, chiefly reddish-brown, a considerable portion of the elytra pitchy-brown, shoulders testaceous, legs infusate-red, tarsi (save the fuscous apical joint) yellowish, two basal joints of antennæ fusco-testaceous, the others darker.

*Head* nearly as broad as the widest part of the thorax, coarsely punctate; eyes very large and prominent. *Antennæ* bearing dark elongate hairs; basal joint robust, swollen, second smaller, joints 3-6 slender and elongate, 6-8 small; *club* elongate, its two basal joints swollen at the base but abruptly narrowed (almost cylindrical) beyond, eleventh joint ovate. *Prothorax* about as long as broad, its sides rounded, a good deal narrowed apically; uneven, coarsely punctured, with two dorsal foveæ, one behind the other, and a larger one at each side near the middle. *Scutellum* distinct, smooth. *Elytra* cordate, narrowed towards the base, slightly but broadly depressed before the middle, coarsely punctate. *Legs*

moderate, *tibiæ* straight, the posterior not dilated apically; *tarsi* two-thirds the length of the *tibiæ*, basal joint as large as second, not abbreviated, the terminal stout; *claws* thickened at base.

Allied to Nos. 415, 419, and 420. Eyes very large, more approximated above than is usual.

Length,  $\frac{3}{4}$  line; breadth, quite  $\frac{1}{4}$ .

I found one on the Waitakerei Range.

## Group—BYRRHIDÆ.

### Morychus (p. 244).

1363. *M. gemmeus*, n.s. Convex, oval, nude, brilliant rufo-cupreous; legs red, tarsi and palpi yellow; antennæ ferruginous.

*Head* rather narrow, forehead considerably rounded; closely and coarsely punctured near the eyes, more distantly on the middle; labrum closely sculptured. *Prothorax* of the orthodox form, sides almost straight, front and hind angles distinct, the latter rather acute; distinctly punctated, the punctures not so close or coarse as those on the head, and much more distant from one another on the dorsum. *Scutellum* minute, quite triangular. *Elytra* very convex, with distant shallow punctures, their whole surface divided into small areas by minute irregular lines running in different directions. *Legs* finely pilose; all the *tibiæ* arcuated externally, the anterior quite as much as the intermediate. *Antennæ* of moderate length, basal joint robust, second shorter but stouter than third, the latter slender and longer than fourth, fifth a little shorter but thicker than its predecessor, sixth and seventh about equal, much stouter but shorter than fifth, joints 8–10 increase in width, transversal, eleventh normal; the slender joints are sparsely, the terminal densely, pubescent.

Smaller than *M. coruscans*, the sculpture different, and the front *tibiæ* obviously curved.

Length,  $1\frac{1}{2}$  lines; breath,  $\frac{5}{8}$  line.

I picked my specimen off a log at Parua (Whangarei Harbour).

1364. *M. insuetus*, n.s. Black, shining; legs and first antennal joint ferruginous, the remaining joints of the latter and the tarsi yellowish; broad and convex.

*Head* smooth on the middle, distinctly punctured on the sides. *Prothorax* of the usual form, remotely and very finely punctured. *Scutellum* quite invisible. *Elytra* without perceptible sculpture of any kind. *Legs* clothed with fine yellow hairs; front *tibiæ* scarcely arched. *Antennæ* pubescent, their third articulation slender and elongate, joints 6–11 gradually incrassated.

Similar to *M. orbicularis* in form; in that species, however, the front of the head between the antennæ is almost truncate, whereas in the present one it is much rounded, and the thorax, instead of being evidently punctured, must be carefully examined before its minute sculpture can be perceived; the antennæ of this species are more robust, particularly the dilated joints.



Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Described from a mutilated example detected in a saw-pit at Parua.

### Group—LUCANIDÆ.

#### Lissotes (p. 254).

1365. *L. helmsi*, Sharp; *Ent. Mon. Mag.*, Aug. 1881, p. 49. Niger, opacus, prothoracis elytrorumque marginibus squamosis; capite prothoraceque crebre punctatis, hoc lateribus rotundatis, margine anteriore leviter bisinuato, angulis posterioribus omnino latissime rotundatis; elytris sat crebre punctatis, seriebus quatuor squarum brevium erectorum.

♂. Long. corp. (sine mandibulis), 20 mm.; lat., 10 mm.

*Head* with numerous punctures on the upper surface, which, on the extreme vertex, become almost dense; the hind angles slightly prominent, but without any distinct projection. *Prothorax* very strongly transverse, with very numerous rather fine punctures; its front has a slight but distinct margin, which becomes obsolete in the middle, the sides are a little curved, and the hind angles are very broadly rounded; side margins very densely covered with very short fulvous setæ or scales. *Elytra* short and broad, dull, with four longitudinal series of closely-packed, erect, very short fulvous setæ, and with the strongly-raised side-margins very densely covered with similar setæ, the surface between the series very distinctly punctured. The upper-inner face of the hind *tibiæ* is distinctly longitudinally sulcate; the apical spurs are broad.

The *male* has the mandibles short and stout, strongly curved, with a short basal tooth, which overlaps the labrum, and a very large tooth in the middle, which, when the mandibles are closed, meets the opposite mandibles just in front of but below the labrum. The female is unknown.

Found at Greymouth, west coast of New Zealand, by Mr. Helms, in recognition of whose successful researches I have named the species. There is not, I believe, any species at all similar to it known as occurring in New Zealand.

### Group—APHODIIDÆ.

#### Phycochus.

*Nov. gen.*

*Body* convex, ovate. Maxillary *palpi* tri-articulate, their terminal joint elongate, straight externally, obtusely rounded inwardly, sub-securiform; labial shorter, two-jointed, the apical robust, obtuse. *Antennæ* eight-jointed, basal elongate, cylindric; second shorter, dilated outwardly; 3-5 short, obconical; club compact, large, tri-articulate. *Mentum* with two large, divergent, triangular lobes. *Head* large, so formed as to conceal the organs of the mouth; antennal cavities large, capable of receiving the whole of the antennæ. *Eyes* apparently absent, quite invisible. *Prothorax* transverse. *Scutellum* small, triangular. *Elytra* completely covering the pygidium. *Legs* stout; posterior *femora* considerably distended,



the others narrow, sub-parallel; anterior *tibiæ* tri-dentate, with an inner calcar, between which and the outer tooth the tarsus is inserted; posterior somewhat compressed, nearly straight, apex lunate outwardly, having a carina on the inner and outer edges, the intermediate space concave, the tarsus inserted in the hollow, with two foliaceous spurs beyond. *Tarsi* seemingly normal, all mutilated, three joints only intact. Anterior and posterior *coxæ* contiguous, middle pair moderately distant. *Abdomen* transversely convex, so that the sides are far from being on the same plane as the epipleuræ.

The structure of this highly interesting form is so abnormal that a new group must be added to the *Aphodiidæ* for its reception. Allied to *Ægialia*.

1366. **P. graniceps**, *n.s.* Glabrous, pitchy-brown; head infusate-red, legs ferruginous, antennæ and palpi fulvous.

*Head* large, convex, rounded, slightly notched at apex, covered with granules. *Prothorax* short, marginated, base truncate, apex emarginated to the width of the head, angularly rounded laterally, destitute of angles; with the exception of a basal groove and two indistinct frontal foveæ, unimpressed. *Elytra* convex, narrowed towards the base, rounded and gradually deflexed posteriorly; their sculpture consists of obsolete striæ, the sutural only distinct. *Antennæ* pubescent. *Tibiæ*, save the anterior, roughly sculptured, denticulate and hispid on the edges.

When examined sideways it will be seen that the most elevated part is behind the base of the elytra; from thence the slope is gradual.

Length,  $1\frac{1}{2}$  lines; breadth, nearly 1 line.

I found one individual amongst sea-weed north of Whangarei Harbour.

## Group—EUCNEMIDÆ.

### Neocharis (p. 277).

1367. **N. cylindrata**, *n.s.* Narrow, nearly cylindrical, not slender, pubescent, somewhat variegate; antennæ obscure-black, head blackish, body dark-brown, shining, the thoracic apex and posterior angles and elytral base rufescent, legs reddish, tarsi yellowish.

*Head* densely punctate. *Prothorax* broader than long, rather closely but very finely punctulated. *Scutellum* nude and unimpressed. *Elytra* very slightly narrowed behind, shoulders very little elevated, rugulose, obsoletely striated, the sutural striæ deeply sunk apically. *Antennæ* short and stout, of nearly equal thickness throughout, not serrate, as long as head and thorax; basal joint as long as the following three conjointly, second and third short, but decidedly longer than fourth (united), joints 4–10 about equal, nearly quadrate, eleventh oval.

The *clothing* is rather dense, and consists of short yellow hairs. *Eyes* rather large, longitudinally oval, not prominent, so that the genal space appears to be on the same plane, if not actually a little

dilated. The *antennal cavities* are large, with slightly carinated edges; the hind line touches the eye just between the front and middle.

♂. Length,  $1\frac{2}{3}$  lines; breadth,  $\frac{1}{2}$ .

I caught two at Waitakerei; the second, probably the female, is nearly two lines in length.

### Talerax (p. 279).

1368. *T. tenuis*, n.s. Black, shining, gradually narrowed posteriorly; legs and basal joint of the antennæ infusate, tarsi testaceous, clothed with short greyish hairs.

*Head* densely and rugosely sculptured. *Prothorax* transversal, its apex finely carinated, anterior angles depressed, posterior prominent and a little incurved at the extremity; its surface is finely and distantly punctulated. *Elytra* elongate, gradually and slightly narrowed behind, apices obtuse; each has a sutural stria most deeply impressed at the base and apex, and a broad, oblique basal depression, causing the shoulder to seem considerably elevated; the sculpture appears confused, the punctures being sometimes in rows, but never coarse. *Antennæ* relatively stout, as long as the body, second joint very short, fourth joint shorter than third; they are almost filiform.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{2}{3}$  line.

I found one, most likely a male, at Waitakerei. It is the smallest Eucnemid described as yet.

## Group—ELATERIDÆ.

### Protelater (p. 304).

1369. *P. nigricans*, Sharp; *Ent. Mon. Mag.*, Aug. 1881, p. 50. *Elongatus*, angustulatus, sub-cylindricus, niger, sparsim tenuiter pubescens, sat nitidus, prothoracis angulis posterioribus picescentibus, abdomine nigro-piceo, lateribus rufis.

Long., 11 mm.; lat.,  $2\frac{3}{4}$ – $2\frac{7}{8}$  mm.

This species is the largest *Protelater* yet discovered, and may thus be easily identified, also by its black colour, comparatively shining surface, and scanty pubescence. The *thorax* is shining, rather sparingly and distinctly punctured, the elongate hind angles are much directed outwards; the *elytra* are rather deeply striate, the striæ distinctly punctured; the interstices are more finely and sparingly punctured; the third, fifth, and seventh are, beyond the middle, more elevated than the others.

The colour of this species is very probably variable; compared with the large variety of *P. elongatus*, I find that *P. nigricans*, independent of the colour and sculpture, is distinguished by more elongate antennæ, and by the hind angles being more abruptly directed outwards.

Greymouth, Helms.

NOTE.—Dr. Sharp's *Chrosis violacea* (*Ent. Mon. Mag.*, Aug. 1881, p. 49), is identical with No. 1188 (Part II., p. 681); the colour of his specimen is probably brighter than mine.

**Psorochroa.***Nov. gen.*

*Head* small, obliquely narrowed and carinated towards the front, the middle obtuse, confounded with the clypeus, the latter indistinguishable; *labrum* prominent, rounded, nearly on the same plane as the forehead, separated from it by a deep channel; *mandibles* robust, bidentate at apex. *Antennæ* half the length of the thorax, inserted below the forehead immediately in front of the eyes; basal joints largest, third longer than second, the latter equalling the fourth; joints 4-10 sub-triangular; eleventh broadly oval. *Prothorax* broader than long, rounded laterally, tri-sinuate at base, posterior angles prominent, not divergent. *Scutellum* oblong. *Elytra* moderate, narrowed behind. *Chin-piece* extending to the tips of the mandibles. *Prosternal sutures* widely open in front only, straight, attaining outer edge of coxæ. *Prosternal process* nearly flat above, depressed at the extremity. *Mesosternal cavity* with raised hind margin, reaching the broad inter-coxal depression. *Coxal lamina* moderate, abruptly reduced beyond the trochanter. *Tarsi* rather compressed, all the joints well-developed, hispid below. *Body* apterous.

1370. **P. granulata**, *n.s.* Sub-opaque, variegate, elytra obscure-brown, thorax paler and brighter, legs and antennæ obscurely coloured.

*Head* slightly depressed in front, with coarse punctures on its anterior edge. *Prothorax* curvedly excised in front, narrowed towards the blunt front angles, nearly straight behind the middle; the posterior angles carinated, overlapping the shoulders, slightly incurved and deflexed at the extremity; it bears many minute glossy black granules, and short fulvous setiform hairs. *Elytra* with rounded shoulders, slightly curved sides, gradually narrowed behind, almost plane; sub-striate, interstices uneven, with fewer and smaller granules than the thorax, and with similar but more rufescent setæ. *Underside* rather dull, blackish; flanks of prosternum coarsely but remotely punctured, the rest not distinctly sculptured; sparsely clothed. The *antennæ* are covered with pubescence on the sides only; joints 4-10 are dilated inwardly, but not acute, at the extremity.

An occasional puncture may be noticed in the elytra grooves, and the humeral regions are more or less obtusely tuberculate.

Length, 8-9 lines; breadth,  $2\frac{3}{4}$ - $3\frac{1}{3}$ .

Mr. P. Stewart-Sandager found this curious insect in the crevices of rocks on "The Brothers" (Cook Strait).

**Cryptohypnus** (p. 295).

1371. **C. montanus**, *n.s.* Sub-parallel, almost depressed, moderately glossy, blackish-brown, legs flavo-testaceous, antennæ rufescent, clothed with short yellowish hairs.

*Head* broadly impressed, finely and not closely punctated. *Prothorax* as long as broad, obtusely rounded laterally, contracted near the base, convex, its posterior angles carinate, prominent, sub-acute



and divergent; the surface rather closely and finely punctured, obsoletely grooved on the middle. *Scutellum* oblong. *Elytra* slightly rounded laterally, distinctly, but not coarsely, striated, the external grooves more or less punctate, interstices nearly plane, coarsely punctulated. *Underside* pubescent, dark-castaneous; prosternum closely punctulated; abdomen finely and closely sculptured. *Antennæ* shorter than head and thorax, stout, third and fourth joints equal, second shorter but stouter than fifth.

Besides the ridge on the thoracic angle, there is another abbreviated one between it and the middle; the base is nearly truncate, with a tooth-like projection on each side of the scutellum.

♀. Length, 5 lines; breadth,  $1\frac{1}{2}$ .

One of Mr. T. F. Cheeseman's captures on Mount Arthur.

1372. **C. sandageri**, *n.s.* Black, a little shining; antennæ, palpi, and labrum more or less rufescent, femora fuscous, tibiæ and trochanters reddish-castaneous, apical segment of abdomen of a chestnut colour; clothed with short greyish hairs.

*Head* punctulated, otherwise unimpressed. *Prothorax* barely as long as broad, sides obtusely rounded, incurved before the hind angles; these latter ridged, acute, slightly divergent, but little produced beyond the base, with an inner carina; canaliculate, finely and distantly punctured, more closely on the sides; base tri-sinuated, the median incurvature dentate at each side. *Elytra* depressed, obviously striated, the grooves distantly punctured, interstices rugulose. *Underside* rather dull, blackish-brown, densely but finely sculptured and pubescent. *Antennæ* longer than head and thorax, pubescent; second and sixth joints about equal, the intermediate differing but little from one another, except that the third is the stoutest.

The male has a rather longer thorax, with its posterior angles just perceptibly prolonged, so as to be visibly elongated beyond the basal line.

Allied to Nos. 523 and 522, larger than either, differently coloured, with punctures in the elytral striæ.

♀. Length,  $4\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

The pair I possess are from Wellington, where they were taken by Mr. Stewart-Sandager.

### **Lomemus** (p. 290).

1373. **L. rectus**, *n.s.* Elongate, parallel, sub-depressed; glossy-black, antennæ fuscous, legs fusco-testaceous; pubescence fine, rather dense, obscure yellow.

*Head* coarsely punctured, forehead obtusely rounded. *Antennæ* elongate, sub-serrate; second and third articulations equal, short, and, conjointly, half as long as the fourth, joints 4-10 longer than broad. *Prothorax* elongate, nearly twice as long as broad, just perceptibly narrowed anteriorly, posterior angles prominent, scarcely divergent; its punctation moderately coarse and close. *Elytra*



slightly attenuated apically, finely yet distinctly striated, the outer grooves and those before the middle only punctured; interstices rugulose.

If it were not for the slight attenuation towards the extremities the body would be quite parallel-sided. The three basal joints of the antennæ taken together barely equal the fourth in length. The sculpture of the elytral interstices is more obvious than the punctures in the striæ. The legs are long and slender. The species seems to be allied to *L. flavipes* only.

Length, almost 2 lines; breadth, quite  $\frac{5}{8}$ .

Described from one example in my own collection, obtained, most likely, near Whangarei Harbour.

1374. *L. vittatus*, *n.s.* Black, shining, with a short, broad, oblique basal stripe on each elytron, testaceous; legs fuscous, tarsi slightly rufescent; rather broad and sub-parallel.

*Head* closely punctured. *Prothorax* longer than broad, narrowed in front, convex, posterior angles divergent; moderately closely but not coarsely punctured, slightly canaliculated behind; covered with short, erect, blackish hairs, and a few greyish ones near the hind angles. *Scutellum* punctulate. *Elytra* nearly parallel-sided, finely striated, the external striæ punctured, interstices so punctulated as to appear rugulose, densely clothed with fine, decumbent, griseous hairs. *Antennæ* as long as head and thorax, third joint a little longer than second, these two together quite as long as fourth, joints 4-10 serrate. *Underside* black, punctulated, closely covered with yellowish-grey hairs.

Easily recognized by the upright hairs on the thorax and the oblique elytral vittæ.

Length, 4 lines; breadth,  $1\frac{1}{4}$ .

One example, in bad condition, taken by Mr. T. F. Cheeseman, F.L.S., on Mount Arthur.

## Group—DASCYLLIDÆ.

### *Cyprobius* (p. 308).

1375. *C. undulatus*, *n.s.* Oviparous, convex; slightly glossy, dark-brown; legs rufescent, tarsi and palpi yellowish, the first four or five antennal joints yellowish, the others infusate.

*Head* broad, obliquely curved from the eyes, produced beyond the base of the antennæ, finely punctate, clothed with fulvous hairs. *Prothorax* short, apex broadly rounded in the middle, anterior angles obtuse, sides slightly curved, with sculpture and clothing similar to those of the head. *Scutellum* large, triangular. *Elytra* punctulate, with an irregularly-shaped fascia, dilated laterally, in line with the posterior femora, and a more or less obvious sub-apical spot, composed of white hairs; the pubescence near the base and apex is bright-yellow, the rest paler. *Antennæ* longer than head and thorax, basal joints robust, second short, third slender and about as long as the fourth. *Underside* densely and finely sculptured and pubes-

cent. The prosternal process projects considerably beyond the front coxæ, is of nearly equal width throughout, with carinate margins.

Length, nearly  $2\frac{1}{4}$  lines; breadth, nearly  $1\frac{1}{4}$ .

I captured two specimens on the Waitakerei Range.

### **Cyphanus** (p. 308).

1376. **C. mandibularis**, *n.s.* Oblong, moderately convex transversely; somewhat nitid, castaneous-red, tarsi and trophi yellowish, covered with short fulvous hairs.

*Head* broad, distended behind the eyes, punctulated; labrum excessively reduced, deeply emarginated, without the orthodox membranous space separating it from the forehead; mandibles robust, tri-dentate inwardly, almost wholly exposed. *Prothorax* short, with explanated and rounded sides, its angles obtuse; finely punctulated. *Elytra* densely and rugosely punctured, much more coarsely than the thorax, the suture and a linear lunate mark near the apex of each blackish. *Antennæ* elongate, basal articulation thick, second short and stout, third scarcely half the length of the fourth, the others about equal. *Labial palpi* furcate.

(Belongs to *Cyphanus*, but the labrum is so short that the mandibles are almost entirely visible from above.)

Length, 4 lines; breadth,  $1\frac{3}{4}$ .

My specimen was found at Parua (Whangarei Harbour).

### **Veronatus** (p. 314).

1377. **V. antennalis**, *n.s.* Elongate, oblong, transversely convex; dark-red, legs and antennæ reddish; clothed with yellowish hairs.

*Head* densely rugosely punctured; behind the eyes straight, produced anteriorly; labrum prominent, the membranous part separating it from the forehead large; eyes prominent. *Prothorax* transverse, finely marginated and obtusely rounded laterally, angles acute; with an obsolete dorsal impression, densely punctulated, but not so coarsely as the head. *Elytra* closely and rugosely punctured. *Antennæ* of moderate length, basal joint thick, second short, third hardly longer but more slender than the preceding, fourth elongate, nearly thrice the length of the third.

An aberrant form; the anterior prolongation of the head, and the large membranous space and labrum, together, have the effect of concealing almost all but the tips of the mandibles in repose.

The species cannot be satisfactorily referred to *Veronatus*, or indeed any other genus, but, as the structure of the head in this group undergoes various modifications, I have not thought it advisable to create a new genus on that account alone.

Length,  $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$ .

I found one individual only on the Waitakerei Mountains.

### **Cyphon** (p. 318).

1378. **C. remotus**, *n.s.* Castaneous, thorax reddish, the greater portion of the elytra blackish, legs and antennæ testaceous;

moderately shining, head opaque and nearly black; densely clothed with pale brassy hairs; oblong, rather narrow, slightly convex.

*Head* so sculptured as to appear densely but finely granulated. *Prothorax* rather glossy, finely but not closely granulated. *Elytra* closely, distinctly, and somewhat rugosely punctulated, impressed near the base, the suture elevated towards the apex. *Underside* closely sculptured and pubescent. *Antennæ* pubescent, basal joint red, stout, second small, eleventh infusate.

Comes near *C. parviceps*, but the granules on the thorax are but little elevated, and the interstices quite equal in size to the granules. Sub-ocular line absent.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{5}{8}$ .

My two specimens are from the vicinity of Whangarei Harbour.

1379. **C. nigropictus**, *n.s.* Sub-oblong, somewhat depressed, pubescent, rufo-testaceous; elytra with two large sub-apical spots blackish, legs and antennæ paler than the body.

*Head* large, distinctly but not densely granulated. *Prothorax* narrower than elytra, sculptured in the same way as the head. *Elytra* oblong, distinctly depressed transversely near the base, densely punctulate. *Underside* pale reddish-chestnut, densely pubescent. Genal line distinct and acutely elevated, the sub-ocular invisible.

Allied to *C. graniger* and *C. pictulus*, smaller than either, with a distinct depression across the elytra. The clothing consists of greyish hairs, which are easily rubbed off.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$ .

Two examples in my own collection; exact locality uncertain.

1380. **C. laticollis**, *n.s.* Sub-oblong, moderately shining; pubescence conspicuous and greyish, very dark rufo-fuscous; antennæ somewhat rufescent, legs testaceous-brown.

*Head* moderate, sub-opaque, finely and not closely granulated. *Prothorax* as wide as the base of elytra, slightly rounded laterally, front and hind angles almost rectangular, very finely and distantly granulated; shining, reddish. *Scutellum* finely granulated. *Elytra* oblong, slightly depressed transversely near the base, rather finely punctulated. *Antennæ* rather short, third articulation quite half as long as fourth. The space between the genal line and eye broad and unsculptured, sub-ocular line absent.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$ .

My specimen was transmitted from Queenstown (Otago) by Professor F. W. Hutton.

1381. **C. rectangulus**, *n.s.* Shining, quite black; legs and antennæ testaceous-yellow, covered with grey hairs.

*Head* not broad, minutely granulated. *Prothorax* narrower than elytra, not short, posterior angles straight and sub-acute, its granules very fine and distant even on the sides. *Elytra* oblong, sub-parallel, almost imperceptibly impressed longitudinally before the middle, and, except near the base, very finely and distantly punctulated.



*Antennæ* reaching backwards just beyond the humeral angles, their third joint quite half the length of the fourth. No sub-ocular carina.

Somewhat resembles *C. parviceps*, but much more finely sculptured; at first sight the thorax seems quite smooth.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{2}{5}$ .

I found one near Whangarei Harbour.

1382. **C. plagiatus**, *n.s.* Pubescent, somewhat oblong, broad, subdepressed, glossy, nigro-fuscous; the legs, second and third antennal joints, a large spot and indistinct lateral stripe on each elytron, testaceous.

*Head* rather small, not narrow, so sculptured as to seem covered with shallow punctures; without sub-ocular line, the space between the genal carina and the eye not broad. *Prothorax* narrower than the base of the elytra, its sides rounded, base sinuous, without distinct angles; sparsely punctulated. *Scutellum* punctulated. *Elytra* ample, obsoletely impressed longitudinally on each side of the suture, punctulated. *Antennæ* moderate, infusate, third joint rather stout and more than half the length of the fourth. *Underside* blackish, punctulated, and densely covered (like the upper surface) with fine, pale-yellow hairs.

Allied to *C. latus*, but the latter, as well as *C. viridipenne*, are nearly hemispherical.

Length, nearly 2 lines; breadth,  $1\frac{1}{8}$ .

Professor Hutton forwarded two from Lindis Pass, Otago.

1383. **C. propinquus**, *n.s.* Nitid, variegated-brown; the sutural and lateral regions of the elytra, legs, and three basal joints of the antennæ testaceous, the remaining joints infusate.

*Head* remotely and indistinctly granulated. *Prothorax* narrower than base of elytra, base sinuated, sides almost straight, posterior angles not acute; its granules minute and distant from one another. *Scutellum* minutely granulated. *Elytra* obsoletely impressed behind the scutellum, closely punctated. *Underside* pale-brown, sculptured and pubescent. *Antennæ* moderate, their third articulation one-fourth less than the fourth in length.

If it were not for differences in coloration this species might be readily confounded, at first sight, with *B. plagiatus*; the general form is precisely similar; its granules are minute and require a careful examination; the sub-ocular line is absent, and the genal carina very nearly approaches the eye; its clothing consists of fine pallid hairs.

Length,  $1\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$ .

The two examples before me came from Wellington, where they were found by Mr. P. Stewart-Sandager.

1384. **C. acerbus**, *n.s.* Testaceous, head and thorax reddish, elytra with infusate spots, antennæ and legs testaceous, underside of the predominant colour.



*Head* finely and indistinctly granulated, densely pubescent, not broad. *Prothorax* slightly rounded laterally, with blunt angles, remotely and very minutely granulated, the granules a little more obvious on the sides. *Scutellum* granulate. *Elytra* slightly broader at the base than the thorax, not depressed, oblong, their punctation moderate, neither very close nor deep. The third joint of the *antennæ* half as long as the fourth. The insect is covered with greyish pubescence, is a little glossy, ovate-oblong; the space between the genal line and the eye is slightly concave and shining, but there is no distinct intermediate line.

Rather broader than *C. pictulus*, with the head remotely granulated, &c.

Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{3}{4}$  line.

Habitat, Upper Taieri. I received two examples from Professor Hutton.

1385. **C. crassus**, *n.s.* Convex, rather broad, pubescent, a little glossy, black; legs fulvous, basal joint of *antennæ* red, one or more apical joints infusate, the intermediate testaceous.

*Head* broad, finely granulated. *Prothorax* rather large, not short, as broad as the base of the *elytra*, sides slightly curved, angles not acute, distantly and inconspicuously granulated, more distinctly on the sides. *Scutellum* not granulate. *Elytra* slightly depressed in rear of the *scutellum*, and a little but broadly compressed at the sides before the middle, moderately punctulated, their pubescence grey and greyish-yellow. *Antennæ* stout; third joint small, less than half the length of the fourth.

Like *C. suffusus* in form, but with a granulated thorax, and quite distinct sub-ocular carina.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{3}{4}$ .

My unique specimen was taken near Whangarei Harbour.

1386. **C. suturalis**, *n.s.* Black; moderately glossy, femora and tibiæ fuscous, the knees and tarsi testaceous.

*Head* large, opaque, closely and rugosely granulated. *Prothorax* finely and distinctly punctulated, as broad as the *elytra* at the base. *Elytra* oblong, not depressed, closely punctulated; most of their surface covered with ash-coloured hairs, those along the suture and lateral parts coarser and whiter. *Antennæ* stout, second and third articulations rufescent, fourth and fifth infusate, the others blackish; third joint small, not half the length of the fourth, the latter much larger than those which follow. Terminal joint of the maxillary palpi pointed.

An easily-recognized species; its nearest congener is *C. suffusus*, but the sub-ocular carina is distinct.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$ .

The only individual I possess was found on the Waitakerei Hills.

1387. **C. nitidus**, *n.s.* Glossy, head reddish, thorax testaceous-red, *elytra* testaceous with their base and suture infusate; apparently quite nude; oblong.

*Head* moderately broad, finely granulated. *Prothorax* broad as base of elytra, with obtuse angles, rather remotely and minutely granulated, not much more distinctly on the sides. *Scutellum* minutely granulated. *Elytra* closely punctulated, but along the middle of each elytron the punctation is shallow and obsolete. *Antennae* rufo-testaceous, fourth joint a good deal larger than fifth; the third slender, scarcely half the length of the fourth. *Sub-ocular line* distinct, and interposed between it and the hind part of the eye a minute abbreviated carina.

Differentiated from *C. zealandicus* by its shining head, &c., and from Nos. 587, 588, 589, and *C. lateralis* by its unimpressed elytra, &c.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$ .

Habitat, Lindis Pass, Otago. Described from a single individual sent by Professor Hutton.

1388. *C. lateralis*, n.s. Oblong, moderately shining, pubescence greyish; rich dark reddish-brown, elytra variegated with brownish red and testaceous spots, the latter apical; antennae rufo-testaceous, legs brown, knees and tarsi testaceous.

*Head* moderately broad, closely granulated, not opaque, its clothing pallid. *Prothorax* about as broad as base of elytra, base slightly sinuated, posterior angles almost rounded, neither closely nor coarsely granulated on the disc, but more distinctly on the sides. *Scutellum* finely granulated. *Elytra* slightly bi-impressed before the middle, densely and somewhat rugosely punctured. *Antenna* stout, reaching the intermediate femora, basal joint red, second much stouter but hardly longer than third, the third more than half the length of the fourth. *Sub-ocular carina* visible, the space between it and the eye sculptured.

Should be placed near *C. suffusus* and *C. laticeps*; smaller than the latter, distinct enough from the former by its granulated but glossy thorax. When quite perfect the pubescence most probably is rather dense.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

My specimen is from Upper Taieri, Otago, where it was found by Professor Hutton.

1389. *C. molestus*, n.s. Variegate, testaceous, the base and other parts of the elytra fuscous, head slightly rufescent; clothed with pale brassy hairs.

*Head* moderate, finely granulated. *Prothorax* nearly as broad as base of elytra, minutely and rather distantly granulated. *Elytra* widest behind, moderately closely and rugosely punctulated, very slightly depressed just behind the scutellum.

A rather short ovate species, with a moderately developed sub-ocular carina; allied to *C. osculans*, but readily enough identified by the minute and distant granules on the thorax.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$ .

Professor Sutton communicated my unique example. Habitat, Queenstown, Otago.



1390. *C. dilutus*, *n.s.* Narrow, oblong, sub-depressed, thickly covered with fine pallid hairs, almost wholly testaceous.

*Head* rather broad proportionally, somewhat castaneous, its fine punctation much concealed by the pubescence. *Prothorax* almost as wide as the elytra at the base, with blunt angles, distantly and minutely punctured. *Elytra* parallel-sided, rather flat, but without obvious depressions, finely and distantly punctulated. *Antennæ* robust, rather long, third articulation half as long as fourth.

Of remarkably elongate outline; cannot well be mistaken; superficially resembling a small *Mesocyphon*, or *Atopida testacea*.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$ .

I found one specimen only at Tairua.

### Group—MELYRIDÆ.

#### Arthracanthus.

*Nov. gen.*

Allied to *Dasytes*; differing principally in the maxillary *palpus* terminating in a broad joint obliquely truncated at the extremity, and therefore sub-securiform; and in the structure of the *tarsi*, the anterior having the basal joint shorter than the second, with a yellow spiniform protuberance close to its external apex. The *claws* are not perceptibly appendiculate, though thickened at the base; *eyes* large and prominent.

1391. *A. planifrons*, *n.s.* Sub-depressed, moderately elongate; bluish, head and thorax darkest, elytra slightly infuscate, legs and four first antennal joints castaneous; moderately glossy, clothed with fine cinereous hairs.

*Head* rather broad, plane in front, distinctly and finely punctured, but densely and minutely sculptured on the occiput and near the eyes. *Antennæ* longer than head and thorax, not serrate, fourth joint just appreciably shorter than third or fifth, ninth and tenth distinctly expanded apically, sub-triangular, the terminal quite as long as its predecessor. *Prothorax* a little longer than broad, not so wide as the head, medially dilated laterally; transversely impressed near the base and apex, the sides and front most punctated, the basal sculpture similar to that of the occiput. *Scutellum* small, transversely quadrate. *Elytra* broader than thorax, rugosely punctured. *Legs* elongate, the basal articulation of the posterior tarsi longer than fifth.

Length,  $1\frac{2}{3}$  lines; breadth,  $\frac{2}{3}$ .

I captured my specimen on the Waitakerei Hills (Auckland).

#### *Dasytes* (p. 328).

1392. *D. constrictus*, *n.s.* Narrow, elongate, sub-depressed, clothed with short, obscure, yellow hairs, most sparingly and finely on the head and thorax; dark-blue, shining; legs and antennæ variegated rufo-piceous.

*Head* moderate, indistinctly tri-sulcate (two grooves interocular, the third medial behind the eyes), rather finely punctured, least so

in front. *Antennæ* not elongate, joints 3-10 nearly equal, sub-serrate. *Prothorax* hardly longer than broad, narrowed and constricted anteriorly, transversely impressed near base and apex, the latter deeply; its surface moderately finely punctated. *Scutellum* sub-quadrate. *Elytra* slightly convex, widest just behind posterior femora, sub-rugose-punctate. *Legs* long; *tarsi* elongate, their fifth joint equalling the first; *claws* apparently simple.

Altogether narrower than *D. laticeps*, the terminal joint of the antennæ quite oval and pointed, not short and rounded as in that species.

Var.: Tibiæ and tarsi of a light-chestnut colour.

Length, nearly 2 lines; breadth, quite  $\frac{1}{2}$ .

Habitat, environs of Whangarei Harbour. I possess two individuals.

1393. *D. occiputalis*, *n.s.* Depressed, elongate; moderately glossy, dark-blue, with fine yellowish hairs; legs and terminal joints of antennæ piceous, tarsi and basal joints castaneous.

*Head* rather narrow, nearly plane in front, occiput grooved, excessively finely and densely sculptured, with larger scattered punctures. *Antennæ* moderate, joints 3-10 elongate obconical, third and fifth rather longer than the others, eleventh oval. *Thorax* small, not broader than head, quite as long as broad, sub-tuberculate laterally, transversely impressed at base and apex, its punctation moderately fine. *Scutellum* sub-triangular. *Elytra* broader than thorax, especially behind, their shoulders somewhat elevated, rugosely punctate. *Legs* elongate, basal tarsal joint not longer than fifth. *Claws* thickened, but not obviously lamellated.

The relatively small sub-tuberculated thorax will lead to its recognition.

Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{1}{2}$ .

I found one at Parua.

## Halyles.

*Nov. gen.*

Body moderately elongate, sub-depressed, pubescent. *Head* short, narrowed behind. *Eyes* prominent, rounded, distinctly faceted. Maxillary *palpi* short; terminal joint conical and acuminate. *Antennæ* 11-articulate, variable as to length, sub-serrate, inserted in front of the eyes. *Prothorax* transverse, rounded laterally. *Scutellum* small, quadrate. *Elytra* broader than thorax, elongate-oblong. *Legs* rather short, tarsi evidently shorter than tibia, femora not clavate, tibia linear; anterior *tarsi* with four sub-equal basal joints, the first emarginate with prolonged apices, 2-4 slender at base with the extremities produced, fifth rather shorter than the preceding ones taken together, robust, obconical, with three or four conspicuous elongate bristles; *claws* with large membranous laminae; posterior similarly formed, but longer.

The structure of the tarsi suggested the separation of the following species from *Dasytes*.



1394. **H. nigrescens**, *n.s.* Shining, brownish-black; legs and four basal joints of antennæ pale-testaceous; clothed with semi-erect pallid hairs; moderately elongate, sub-depressed.

*Head* broad, quite as broad as thorax, forehead with two rounded foveæ, its surface glossy, nevertheless finely linearly sculptured; *eyes* large and prominent, causing the head to appear unusually broad. *Antennæ* elongate, considerably longer than head and thorax, stout, basal joint incrassated apically, second short but stout, fourth rather smaller than third or fifth, eleventh elongate-oblong. *Prothorax* broader than long, base and apex truncate, strongly rounded laterally, impressed transversely in front and behind, the basal impression bent and terminating in a deep fossa near the middle of each side; very densely sculptured, apparently minutely granulated, the granules, however, flattened above. *Elytra* broader than thorax, widest behind the posterior femora, transversely punctate-rugose. *Legs* moderate; *tarsi* shorter than tibiæ, their fifth joint twice as broad as the others, not so long as they are conjointly. *Claws* appendiculate.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$ .

I found only one at Waitakerei.

1395. **H. brevicornis**, *n.s.* Black, glossy, legs and labrum castaneous, antennæ piceous.

*Head* rather small, indistinctly bi-impressed in front, its sculpture dense but indefinite, seeming to consist of minute depressed granules. *Prothorax* transversal, narrower in front than behind, indistinctly impressed on the middle of the apex transversely, more so on the sides, the basal depression bent forward and ending in a cavity near the middle at each side; its whole surface is excessively finely sculptured, but with many quite evident though rather shallow punctures. *Elytra* broader than thorax, gradually dilated posteriorly, transversely punctate-rugose. *Legs* moderate. *Antennæ* short, as long as head and thorax, third articulation a little longer than fourth, joints 4-10 sub-quadrate; eleventh oval, longer than the preceding ones.

Broader than the typical species; the eyes being smaller causes the head to appear narrower; the antennæ are decidedly shorter, and their last joint quite oval and pointed; and the fifth tarsal joint is not quite so much expanded towards the extremity.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

One, from Waitakerei.

1396. **H. semidilutus**, *n.s.* Elongate, sub-depressed, rather densely clothed with fine greyish hairs, shining-black; elytra infuscate-black, with the suture and apices testaceous, as are also the legs and first four antennal joints.

*Head* minutely and densely granulated. *Prothorax* transverse, of the normal form, its sculpture similar to that of the head. *Elytra* punctate, becoming transversely punctate-rugose laterally.

A variable species: sometimes the whole of the elytra are suffused with testaceous. My three specimens are in bad condition, so that it is not advisable to enter into structural details.

Length,  $1\frac{3}{8}$  lines; breadth nearly  $\frac{1}{2}$  line.

Habitat, Port Nicholson Collected by Mr. P. Stewart-Sandager.

### Group—CLERIDÆ.

#### Phymatophæa (p. 334).

1397. *P. ignea*, *n. s.* Shining, moderately elongate; head and thorax rufescent, the legs and base of elytra reddish-testaceous; four spots and extremity of elytra, and all save the dilated parts of the antennæ, testaceous; tarsi blackish, middle of elytra violaceous; sparingly clothed with long, erect, fuscous and griseous hairs.

*Head* moderately coarsely but not densely punctured. *Prothorax* constricted anteriorly, dilated laterally behind the middle, a little uneven, impunctate. *Elytra* broader than thorax, sub-parallel, very obtusely rounded behind, humeral angles oblique and a little raised, elevated near the suture close to the base, the yellowish spots immediately behind the basal protuberance also somewhat elevated, but in a less degree; a few scattered punctures may be seen near the base, some very indistinct striæ beyond, and a large shallow depression near each hind thigh. *Antennæ* elongate, the basal joints of the club at least twice as long as broad, the terminal somewhat obliquely and obtusely pointed.

In form like *P. violacea*, but with longer antennæ, &c.

Length,  $3\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$  line.

My specimen was found near Dunedin, by Mr. T. Chalmers.

### Group—CISSIDÆ.

#### Cis (p. 346).

1398. *C. recurvatus*, *n. s.* Cylindrical, slightly shining, blackish, legs reddish-chestnut, antennæ fulvous, club fuscous and opaque; clothed with the short pallid setæ.

*Head* rather dull, with dense minute sculpture; the antero-lateral margins gradually elevated inwardly from the eyes towards the middle, where there is an evident gap. *Prothorax* about as long as broad, base feebly bi-sinuated, somewhat rounded laterally, its apex with two slightly recurved protuberances, much smaller than those on the head; its surface moderately punctated, the interstices minutely sculptured. *Elytra* as finely punctured as the thorax, but with smooth shining intervals between the punctures. *Legs* moderate. *Palpi* stout, the terminal joint of the maxillary not acuminate. *Antennæ* 10-articulate, basal joint robust, second also stout but not so thick as the first, third elongate and slender, fourth of the same form as the preceding one but shorter; joints 4-7 decrease in length; club loosely articulated, pubescent, last joint oval, the other two more or less rounded. *Underside* blackish.

Female without protuberances on head or thorax; those on the latter distinguish the male of this species.

Length,  $\frac{3}{4}$ — $\frac{7}{8}$  line; breadth, nearly  $\frac{3}{8}$ .

Habitat, Wellington. Collector, Mr. P. Stewart-Sandager.

The antennæ of *C. undulatus* (p. 347), as well as those of all the other species, exactly resemble those of the present one; an error had been made in computing the small joints, which cannot be easily seen without the aid of a microscope. No. 636 is not actually nude, there being a few excessively fine pallid hairs on the body; the word "nearly" should therefore be placed before "nude" in the first line of its description (p. 349).

1399. *C. picicollis*, *n.s.* Cylindric, slightly nitid, clothed with short brassy setæ; thorax rufo-piceous, elytra reddish-brown, legs and antennæ pale-brown, club darker.

*Head* simple. *Prothorax* rather dull, about as long as broad, the lateral margins nearly straight before the middle, but rounded towards the base, so that there are no distinct posterior angles; moderately finely and closely punctured, interstices minutely sculptured, its clothing finer than that of the hind-body. *Elytra* finely and rather closely punctated, almost in rows, obsoletely and irregularly lineated, their setæ somewhat congregated behind. *Legs* sparsely pubescent. *Antennæ* with a rather short fourth joint and broad club.

Length,  $\frac{7}{8}$  line.

One example. Probably from the vicinity of Whangarei Harbour.

1400. *C. viridiflavus*, *n.s.* Convex, rather short and broad, shining, apparently quite destitute of pubescence; legs reddish, body greenish-yellow.

*Head* minutely and distantly punctured, the antero-lateral margins moderately elevated and widely separated. *Prothorax* finely marginated, a little rounded laterally, base truncate, minutely and remotely punctated. *Elytra* short, rather abruptly narrowed and deflexed posteriorly, their sculpture very similar to that of the thorax. *Legs* stout, pubescent.

Allied to Nos. 638 and 639 only, and, like them, without a distinct *scutellum*. It seems questionable whether the absence of that important organ would justify the separation of these three species.

Length,  $\frac{3}{4}$  line; breadth, quite  $\frac{3}{8}$ .

One, in bad condition, from Mr. P. Stewart-Sandager.

## Group—DIAPERIDÆ.

### Menimus (p. 360).

1401. *M. curtulus*, *n.s.* Short, broad, convex, nitid; thorax rich dark-brown, elytra rufo-fuscous with testaceous apices; head, legs, and thoracic margins rufescent; nearly destitute of pubescence.

*Head* finely but distinctly punctured, most obviously near the antennæ; the whole surface minutely sculptured; eyes small, yet quite easily seen. *Antennæ* short, with griseous hairs. *Prothorax* large yet transverse, slightly rounded laterally, more narrowed in front than behind, apparently smooth, nevertheless minutely sculptured, and having a very few fine punctures distributed over its surface. *Scu-*



*tellum* punctulated. *Elytra* convex, rather abruptly declivous and attenuated apically, bearing many rows of fine distant punctures, the yellowish spaces spotted with brown, so as to appear coarsely punctated, though really smooth. *Underside* piceous; prosternal process distinct, not depressed.

Allied to *M. obscurus*, but more convex, the posterior slope of the hind-body more abrupt. The body is contracted at the junction of the thorax and elytra. The *pubescence* is almost exclusively confined to the legs and antennæ, though a few short hairs may be perceived along the margins. The *colour* is subject to variations, being sometimes much darker than in the typical specimen. In *M. cæcus* the form is more elongate, less convex, and almost wholly of a chestnut-red colour.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

My specimens were found at Tairua.

1402. *M. piceus*, *n.s.* Convex, oblong-oval, nude, shining, nearly black, sometimes slightly rufescent, with testaceous margins.

*Head* finely but distinctly punctured. *Prothorax* transversal, slightly narrowed anteriorly, not rounded laterally, finely and distantly punctured. *Elytra* convex, finely punctured in rows.

Difficult to identify; closely allied to *M. curtulus*, but differing from it in having no narrowing of the middle of the body, the sides of the thorax being straight, and of the same width as the shoulders of the elytra; the punctation of the thorax is closer, that of the elytra not only closer but coarser, and their surface is more uneven. The *prosternal process* is elongate, almost touching the intermediate coxæ, and on the same level throughout.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Taranaki. Collected by Mr. Stewart-Sandager.

## Group—TENEBRIONIDÆ.

### Loxoloma (p. 380).

1403. *L. quadricollis*, *n.s.* Nitid, light-brown, head darker, legs and palpi flavo-testaceous, antennæ ferruginous, sparingly clothed with minute greyish hairs; elongate, subdepressed.

*Head* rather finely and not very closely punctured; slightly dilated laterally; antennal orbits raised and prolonged towards the middle of the forehead. *Eyes* quite flat. *Antennæ* stout, bearing yellow hairs, gradually incrassated; second joint short, square; joints 4–8 transverse; ninth and tenth transversal, not twice as broad as the eighth. *Prothorax* transversely quadrate, its sides almost straight, only slightly narrowed posteriorly, the lateral margins explanate, particularly behind, hind angles rectangular but not produced, base and apex almost truncate; its punctation quite as distant as, and rather finer than, that of the head. *Scutellum* smooth. *Elytra* sub-parallel, punctate, the punctures not close, coarser than those of the thorax. *Legs* robust; the tibiæ with a minute terminal spur.

Larger and broader than *L. priscus*, with finer sculpture, and



thicker, differently-formed antennæ. Differentiated from *L. crassicornis* by its less robust antennæ and legs, straight-sided thorax, &c.; and from *L. pubescens* by the truncate apex of the thorax, &c.

Length, 2 lines; breadth,  $\frac{5}{8}$ .

The only individual I have seen was found at Parua.

## Group—HELOPIDÆ.

### Adelium (p. 386).

1404. **A. cheesemani**, *n.s.* Convex, sub-oblong, not parallel, attenuated posteriorly, glossy black; antennæ and palpi dark-red, legs piceous, tarsi fulvous.

*Head* short, immersed up to the eyes, obliquely rounded towards the forehead, the latter nearly truncate, rather finely punctured, more closely and coarsely near the eyes; *epistome* convex, with two large punctiform impressions; *labrum* prominent, nearly quadrate, finely punctated, ciliated. *Prothorax* about as long as broad, apex widely incurved, base strongly emarginated, sides with distinct rims, rounded anteriorly, a little narrowed yet almost straight behind the middle; hind angles nearly rectangular, not protruding, resting on the elytra, the anterior rounded, moderately convex; distinctly, but not coarsely, and irregularly punctured, the punctures sometimes confluent, with several larger punctures similar to those on the forehead, an elongate depression near each side before the middle, two others (longitudinal) near the base, and an obsolete transversal impression uniting these latter. *Scutellum* broad, minutely and distantly punctured. *Elytra* elongate, oviform, widest behind the middle, somewhat broader than thorax, a good deal narrowed behind, distinctly marginated; distinctly punctate-striate, some of the striæ irregular, the punctures not very large but close to one another; interstices rather narrow, minutely and remotely punctured. *Underside* shining-black, finely and distantly punctated, head coarsely and rugosely. *Legs* punctulated; all the tibiæ bear fine fulvous hairs.

Resembles *A. thoracicum*, but distinguished from it by the more quadrate thorax, *not at all sinuated* towards the posterior angles.

Length, 5 lines; breadth, 2.

Named in honour of its discoverer, Mr. T. F. Cheeseman, F.L.S., who found two examples on Mount Arthur.

1405. **A. chalmeri**, *n.s.* Elongate-oblong, narrowed medially, slightly convex, nude, glossy, of a somewhat bronzed coppery (red) colour, more dilute behind; antennæ reddish, legs infuscate-red, tarsi rufo-testaceous.

*Head* moderately coarsely but not very densely punctured, less so on the vertex, *epistome* truncate. *Prothorax* rather broader than long, obtusely rounded laterally, sinuously narrowed behind, posterior angles rectangular and resting on the elytra, base and apex emarginated, the latter more deeply and sinuously than the former; with a dorsal groove, two lateral foveæ near the middle and two close to the base, nearly a dozen large punctures, and with the surface more

or less finely and irregularly punctated. *Scutellum* triangular. *Elytra* a little wider than the thorax at the base, widest near the middle, narrowed posteriorly; each elytron with two rather fine, punctured, sutural striæ, and two more obvious interrupted ones at the side, the intervening space bearing punctures and irregularly-formed linear impressions. *Underside* of body and legs pitchy-brown, epipleuræ rufescent, without distinct sculpture.

This species, especially as regards the shape of the thorax, comes near No. 694; it is, however, a good deal broader; the elytral sculpture somewhat resembles that of *A. bullatum*, though very much finer; the scutellum is not rounded. The *antennæ* are pubescent; their third joint is not twice the length of the second.

Length, 5 lines; breadth,  $2\frac{1}{4}$ .

The species bears the name of its discoverer, Mr. Thomas Chalmer, who sent me a specimen from Dunedin (Flagstaff Hill).

### Group—CISTELIDÆ.

#### *Xylochus* (p. 396).

1406. *X. dentipes*, *n.s.* Sub-oblong, moderately convex, nitid, piceous, nude; legs pitchy-red, tarsi fulvous, *antennæ* and palpi red.

*Head* contracted behind the eyes, finely and not very closely punctated. *Prothorax* transversal, base feebly sinuated, sides medially rounded, nearly straight behind, narrower in front than at the base, finely marginated; more finely and distantly punctured than the head, with two small basal foveæ. *Scutellum* triangular, minutely punctured. *Elytra* rather broader than and twice as long as the thorax, almost oviform, moderately narrowed apically; each with a scutellar row of punctures and eight striæ, none distinct at the base, the intermediate more or less confluent or obsolete posteriorly, all punctured; interstices but little elevated, finely punctulated. Anterior *femora* slender at the base, dilated beyond and very evidently dentate; *tibiæ* somewhat distorted, so as to appear incurved or incised at the middle; intermediate and posterior *femora* simple, *tibiæ* arcuated, ciliated with short fulvous hairs. *Underside* nearly smooth. *Female*: All the thighs simple; front *tibiæ* not incised. *Antennæ* reaching beyond the middle *femora*, with yellow pubescence; basal joint shorter than third, second short, third and fourth longest, equal, fifth and sixth each shorter than fourth. Terminal joint of maxillary *palpi* securiform.

I believe I am right in considering these two forms to represent the sexes of one species, closely allied to *X. tibialis*, but differing from it in the armature of the front thighs, and in the absence of the basal protuberance of the *femora* and rounded median foveæ of the thorax.

Length, 4 lines; breadth,  $1\frac{5}{8}$ .

Habitat, Parua (Whangarei Harbour).

## Group—PYTHIDÆ.

## Salpingus (p. 398).

1407. *S. hirtus*, *n.s.* Glossy, light coppery-brown; head and thorax reddish, legs testaceous; antennæ reddish, with their terminal joints infusate; rather thickly covered with erect, elongate, greyish hairs; convex.

*Head* elongate, distinctly and closely punctured except on a transverse inter-ocular spot. *Prothorax* longer than broad, cordiform, its punctation nearly similar to that of the head but finer, without superficial irregularities. *Scutellum* smooth. *Elytra* oblong, rounded laterally, slightly depressed along the suture near the posterior slope, not striated, punctured in rows, the sculpture becoming obsolete behind.

Very much like *S. angusticollis*, but with shorter antennæ than it, with the thorax more finely punctured, and the elytra without the least trace of striæ. It differs from all the previously-described New Zealand species by the absence of the more or less evident post-basal depression of the elytra, and the possession of numerous erect hairs; all the others, except *S. lautus*, being nearly or entirely nude.

Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{1}{2}$ .

I found my unique specimen at Parua (Whangarei Harbour).

1408. *S. simplex*, *n.s.* Convex, nearly bare, shining æneous-black; legs fulvous, dilated antennal joints fuscous, the others reddish.

*Head* punctate, a spot on the vertex and one near each antenna smooth or nearly so. *Prothorax* cordiform, quite free from rugosities, moderately closely punctured, with a more or less distinct fovea near each hind angle. *Scutellum* smooth, short. *Elytra* oblong, a little rounded laterally, with slightly elevated and porrected humeral angles, not distinctly impressed near the base, striate-punctate, smooth behind.

This species may be distinguished from *S. angusticollis* and *S. lautus* by the almost total absence of elytral striæ, and from *S. hirtus*, decidedly its nearest congener, by the more densely punctured and bi-foveate thorax, shorter and broader elytra, &c.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{2}{3}$ .

Habitat, Parua. One example in my own collection.

1409. *S. quisquilius*, *n.s.* Elongate, sub-parallel, sub-depressed, almost nude, shining, of a dark-fuscous colour; elytra slightly rufescent, head and thorax somewhat æneous; legs, palpi, and narrow joints of the antennæ infusate-red.

*Head* moderate, rather finely punctured. *Thorax* rather small, not much longer than broad, sub-cordate, moderately finely punctated, least so on the dorsal space. *Scutellum* punctulated. *Elytra* elongate-oblong, nearly parallel-sided, bi-impressed before the middle, but little narrowed apically, striate-punctate. *Antennæ* moderate;



joints 2-6 obconical and decreasing in length, 7-11 gradually dilated and laxly articulated.

Not at all like any other New Zealand species; its almost parallel outline is characteristic. In all our species the tarsal claws are thickened at the base, but not quite dentate.

Length, 1 line; breadth, quite  $\frac{1}{4}$  line.

My three specimens were mixed with other species taken some years ago at Tairua (near Mercury Bay).

## Group—MELANDRYIDÆ.

### *Allopterus*.

*Nov. gen.*

This new name is made for two species which do not exactly accord with Redtenbacher's *Ctenoplectron*; the type is *A. reticulatus*, which differs from *Ctenoplectron fasciatum* in the elytral suture and margins being simple instead of coarsely ciliated; the joints of the maxillary palpi are less acute, and the tibial spurs more slender. It would have been preferable to eliminate all allusion to the elytral margins in the original diagnosis, but, as the author is dead, and his generic name has special reference to that peculiarity of the elytra, no other course seems feasible.

No. 707 must be added to this genus, so that it may be known as *Allopterus ornatus*, in place of *Ctenoplectron ornatum*.

1410. *A. reticulatus*, *n.s.* Variegate, dull brownish-black; the apex, and sometimes most of the thorax, as well as the apices of the elytra, more or less rufescent; each elytron with two large ill-defined testaceous spots, one near the base, the other behind; legs and two first joints of antennæ infuscate; body lanceolate.

*Head* rather narrow, with linear impressions often intersecting one another. *Prothorax* conical, convex, widely rounded laterally, base a little sinuous, obliquely depressed near each hind angle and before the scutellum; so clothed and sculptured as to appear finely reticulate, with numerous small punctures on the intervals between the linear marks; the hairs near the base yellowish, the others cinereous. *Elytra* elongate, attenuated posteriorly, without distinct costæ, their clothing and sculpture similar to those of the thorax. *Antennæ* slightly longer than head and thorax, filiform; second joint short. *Legs* normal, tibial spurs slender, pectinate. Maxillary palpi stout, intermediate joints not acuminate.

Length,  $3\frac{3}{4}$ - $4\frac{1}{8}$  lines; breadth,  $\frac{3}{4}$ - $\frac{7}{8}$ .

I found three specimens at Northcote, Waitemata Harbour.

## Group—CEDEMERIDÆ.

### *Thelyphassa* (p. 422).

1411. *T. conspicua*, *n.s.* Elongate, depressed, pale-testaceous, pubescent; head and thorax nearly nude and glossy; elytra opaque.



*Head* covered with distinct linear impressions in front, the occiput punctate, epistome smooth, labrum punctulate. *Prothorax* about as long as broad, narrowed posteriorly, densely but not coarsely punctated. *Scutellum* small. *Elytra* sub-parallel, widest behind, obsolete (each) bi-costate, closely punctulated, covered with depressed pallid hairs.

*Male*: Maxillary palpi elongate, terminal joint securiform, just perceptibly incised at the outer edge near the apex; the apical segment of the *abdomen* deeply notched, the only part uncovered by the elytra. Length,  $5\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

*Female*: Maxillary palpi entire, *pygidium* not exposed. Length, 6 lines; breadth,  $1\frac{3}{4}$ .

The *eyes* are somewhat truncated anteriorly, but exactly correspond in structure with those of *T. diaphana*; the latter is narrower than this species, with its thorax decidedly longer than broad; *T. obscura* is darker and duller, with different sculpture on the head.

*Habitat*, Nelson District. Brought by Mr. T. F. Cheeseman, F.L.S.

## Group—BRACHYDERIDÆ.

### Catoptes (p. 428).

1412. *C. attenuatus*, *n.s.* Piceous, covered with yellowish-grey scales and decumbent pallid setæ; tibiæ, tarsi, and antennæ rufescent.

*Rostrum* normal, sub-carinate. *Antennæ* pilose, second joint of funiculus of the same length as the first. *Prothorax* about as long as broad, obtusely rounded towards the front, nearly straight behind the middle, moderately convex, its punctation concealed by the squamosity. *Elytra* very elongate and rather narrow, cordiform, sub-striate-punctate, most obviously striated behind, the third and fifth interstices obsolete elevated behind, the suture raised apically. *Legs* scaly and hispid.

An obscurely-coloured insect, usually covered with scale-like matter; narrower than *C. obliquis*, with much longer and narrower elytra gradually attenuated from the obliquely rounded shoulders, and without the peculiar oblique appearance of the posterior declivity.

Length (rost. incl.),  $3\frac{1}{4}$  lines; breadth,  $1\frac{3}{4}$ .

I have two examples from "The Brothers," where they were found by Mr. P. Stewart-Sandager.

## Group—RHYPAROSOMIDÆ.

### Pachyprypnus.

*Nov. gen.*

*Rostrum* moderately elongate, arched, sub-parallel, slightly narrowed towards the middle; *scrobes* shallow, extending to the upper part of the eye, the point of the antennal insertion foveiform. *Eyes* small, distant from thorax, most elevated behind, oviform,

coarsely faceted. *Antennæ* moderate; *scape* clavate at apex, attaining the hind part of the eye; *funiculus* 7-articulate, the two basal joints elongate and nearly equal, third shortest, joints 4-7 increase; *club* short and compact. *Prothorax* oblong, base and apex sub-truncate, without ocular lobes. *Scutellum* invisible. *Elytra* ovate, widest behind, incurved at base, with porrected humeral angles, closely applied to the thorax. *Legs* not elongate, stout; *femora* clavate; *tibiæ* flexuose, mucronate at the extremity; *tarsi* with transversal basal joints, the penultimate superficially excavated for the insertion of the terminal joint. Anterior *coxæ* prominent, contiguous. *Metasternum* short. The two basal segments of the *abdomen* large, the suture obliquely sinuated, third and fourth excessively short. *Body* pyriform.

Allied to *Phrynixus*, but with the rostrum sub-parallel, or dilated towards the base; the antennal insertion is foveiform, but shallow scrobes proceed backwards; the elytral base is marginated.

1413. **P. pyriformis**, *n.s.* Piceous, a little glossy, pear-shaped, uneven, the legs and elevated parts clothed with elongate yellow scales, tarsi and antennæ obscure-red.

*Rostrum* longer than thorax, longitudinally carinate, not smooth, slightly dilated at base and apex. *Head* minutely and distantly punctured with a distinct inter-ocular punctiform impression. *Prothorax* longer than broad, oviform, narrower in front than behind, uneven, having two elongate frontal depressions separated by a smooth costa, an ante-scutellar depression, and many small rounded elevations. *Elytra* widest in line with the summit of the hind slope, their front angles embracing the thorax, striate-punctate, the dorsal punctures large, the apical small and placed in fine but distinct striæ; the third interstices almost carinate; four or five crested elevations appear on each elytron behind the posterior femora. *Antennæ* inserted near the middle of the beak.

Length (rost. excl.), 3 lines; breadth,  $1\frac{2}{3}$ .

To this genus belongs No. 762, which must be removed from *Phrynixus* so as to stand as *Pachyprypnus longiusculus*; it differs from the present species in having the rostrum very perceptibly thickened towards the eyes, &c.

I found my specimen at Parua.

## Group—HIPPORHINIDÆ.

### Phæophanus.

*Rostrum* moderately long, robust, slightly arched, gradually dilated anteriorly, triangularly grooved at apex, compressed laterally, broadly but not deeply grooved above; its *scrobes* apical, not linear, oblique, becoming obsolete and convergent below. *Scape* not quite reaching the eye, flexuose, thickened at the extremity; *funiculus* 7-articulate, two first joints equal, 3-7 obconical; *club* obovate, tri-articulate. *Eyes* depressed, faceted, truncate in front, transverse, lateral. *Prothorax* longer than broad, somewhat narrowed behind, base sub-truncate, with distinct ocular lobes. *Scutellum* minute.

*Elytra* oviform, slightly tri-sinuated at base, where they scarcely exceed the thorax in breadth. *Femora* clavate beyond the middle; *tibiæ* flexuous, without hooks, sub-mucronate and concave at the apex; *tarsi* with brush-like soles, their two basal joints obconical, penultimate bi-lobed, claws simple, divergent. *Abdomen* with two large basal segments, having their suture sinuous, third and fourth very short. *Body* moderately convex, sub-ovate, with minute scales.

A form like *Inophlæus*, with the apex of the rostrum more expanded below the antennal insertion, the scrobes much more oblique, and the extremity of the *tibiæ* less produced, &c.

1414. **P. rugosus**, *n.s.* Opaque, pitchy-black, *tarsi* and antennæ rufo-piceous, sparingly clothed with minute, obscure, testaceous scales; sub-ovate, moderately convex.

*Rostrum* as long as thorax, broadly but not deeply hollowed above, closely and very minutely punctated, with some coarser punctures disposed in rows. *Prothorax* sub-cylindrical but not narrow, widest before the middle and a little narrowed posteriorly; nearly plane but rather uneven above, with a frontal and two obtuse dorsal elevations, a few minute granules, and entirely covered with very dense but excessively fine punctures. *Scutellum* triangular. *Elytra* ovate, with nearly vertical sides, a little convex, gradually deflexed apically, their sculpture more or less rugose; they bear some small granules near the base, are irregularly punctured, with indications of striæ; there are two callosities behind, and many smaller ones on the sides. *Antennæ* with a few straw-coloured hairs, the two basal joints of the funicle longest, joints 3-7 longer than broad, obconical. *Underside* obscure-black, apparently almost nude and impunctate. *Legs* and *tarsi* hispid. The *body* usually covered with a fusco-testaceous scaly deposit.

Length (rost. excl.),  $5\frac{3}{4}$  lines; breadth,  $2\frac{1}{2}$ .

[Two specimens have been transmitted from "The Brothers" (Cook Strait), by Mr. P. Stewart-Sandager.

## Group—CYLINDRORHINIDÆ.

### *Empæotes* (p. 441).

1415. **E. amotus**, *n.s.* Sub-ovate, broadest near posterior femora, rather plane; piceous, covered with depressed, variegated, but chiefly greyish, scales and decumbent setæ; funiculus and *tarsi* red.

*Rostrum* short, indistinctly carinated, densely squamose. *Prothorax* slightly longer than broad, sub-cylindrical, uneven, punctate, not tuberculate. *Elytra* rather short than broad, nearly vertical behind, uneven, with four callosities behind the posterior femora, and two robust protuberant processes directed backwards, on nearly the same level as the disc, on the summit of the posterior declivity; apices not projecting. *Legs* squamose. *Scape* scaly; *funicle* pilose, its second joint quite as long as the first.



The apical protuberances distinguish this species from all but *E. aculeatus*, but that insect is much smaller and otherwise dissimilar. The elytra are irregularly sub-striate-punctate.

Length (rost. included),  $3\frac{3}{4}$  lines; breadth,  $1\frac{3}{4}$ .

My specimen was taken off foliage on the Waitakerei Range, near Auckland.

### Group—HYLOBIIDÆ.

#### *Eiratus* (p. 447).

1416. *E. costatus*, n.s. Sub-oblong, sub-depressed, dull, pitchy-black; the apex of the thorax, tarsi, and antennæ (save the blackish club) rufescent.

*Rostrum* stout, as long as thorax, punctate. *Prothorax* longer than broad, rather narrow, narrowed anteriorly, coarsely, closely, and rugosely punctured. *Scutellum* minute. *Elytra* oblong, much broader than thorax at the base; coarsely punctate-striate, the second, third, fourth, and sixth interstices carinated, the second continuous, third and fourth interrupted, third least distinct. *Antennæ* pubescent, basal joint of funiculus robust, club large.

There is scarcely any pubescence, but on some parts a scaly deposit is apparent. The insect may be easily recognized by its costate elytra, and rather narrow sub-conical thorax.

Length (rost. incl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$ .

I found one at Parua.

### Group—CYLINDRORHINIDÆ.

#### Heterotyles.

##### *Nov. gen.*

*Rostrum* moderately elongate, arched, apex rounded, its anterior half nearly cylindric, slightly and gradually narrowed medially, but expanded at the antennal insertion (the middle), of nearly equal thickness behind; *scrobe* oblique, reaching the lower part of the eyes. *Antennæ* elongate; scape attaining the thorax, straight, a little incrassated at its extremity; *funiculus* 7-articulate; the two basal joints elongate, cylindrical, the second the longer; joints 3-7 decrease in length, sub-obconical; club elongate-oval, 4-jointed. *Head* rounded. *Eyes* free, distant above, oblique-ovate, not coarsely faceted, sub-depressed. *Prothorax* convex, about as long as broad, oviform, base and apex truncate, with distinct ocular lobes. *Scutellum* sub-quadrate. *Elytra* twice as long as thorax, wider than it at the base, humeral angles oblique, sides nearly vertical, narrowed posteriorly. *Legs* long, femora clavate; *tibiæ* flexuose, mucronate, without hooks, sub-cavernose at apex; *tarsi* with dense brush-like soles, two basal joints triangular, penultimate obviously bi-lobed, claws simple. Anterior *coxæ* globose, prominent, contiguous; intermediate not widely separated. *Metasternum* moderate. The two basal segments of *abdomen* large, with arcuated sutures. *Body* squamose. The snout is remarkable; widely dilated and deeply hollowed at the

middle for the insertion of the antennæ, at that point approaching *Otiorhynchus* in appearance; the scrobes, therefore, are visible from above for nearly half their length.

1417. **H. argentatus**, *n.s.* Piceous; legs and antennæ pitchy-red; covered with depressed, oval, whitish and pallid scales.

*Rostrum* nude and nearly smooth in front, slightly widened at the end, its basal half squamose. *Prothorax* convex, its length and breadth about equal, rounded laterally, almost constricted in front; punctured rather coarsely and closely. *Elytra* broader than thorax, shoulders oblique, sides nearly straight, contracted and declivous behind, nearly plane above; each elytron with three more or less obvious costæ, the intermediate ceasing at the others before the posterior declivity, with two rows of coarse and distant punctures on the interstices; the scales are of a silvery hue, except along the suture and elevated parts, where they are intermingled with a few coarse bristles and of a pallid colour. Legs covered with scales and setæ. *Antennæ* reaching backwards beyond the base of the elytra, hirsute, their second joint twice as long as the third, the latter shorter than the first. *Underside* punctate and squamose, in colour resembling the upper surface.

Length,  $3\frac{1}{4}$ – $3\frac{5}{8}$  lines (rost. excl.); breadth,  $1\frac{1}{4}$ – $1\frac{3}{8}$ .

I captured my three specimens on the Waitakerei Range.

### **Dorytomus** (p. 453).

1418. **D. aericomus**, *n.s.* Elliptical, elongate - oval, slightly convex; flavo-testaceous; most of the thorax and on the elytra a large tri-lobed basal spot, an irregular, interrupted median fascia, a lateral stripe and sub-apical spot, nigro-fuscous; scape and tarsi testaceous-red, beak and funiculus infusate-red; clothed with decumbent brassy hairs.

*Rostrum* moderately elongate, arched, parallel, quadri-sulcate. *Head* punctate, densely covered with yellow hairs; *eyes* somewhat prominent, distinctly faceted. *Antennæ* elongate, scape slender and gradually thickened; funiculus with fuscous hairs, basal joint largest, much incrassated towards the extremity, second sub-cylindric, shorter than third and fourth conjointly, these latter equal, longer than broad; joints 5–7 decrease in length, the last transverse; club oblong-oval, pubescent. *Prothorax* transversal, rounded laterally, narrower in front than behind; not closely nor coarsely punctured, its clothing disposed across the surface. *Scutellum* small, blackish. *Elytra* nearly thrice the length of the thorax, a good deal broader than it at the base, humeral angles oblique; they taper gradually towards the apices, are striate-punctate, the interstices plane and minutely punctulated, the fourth and seventh unite before the apices, and at their junction appear somewhat elevated, just where the dark apical spots bend towards the sides; their hairs arranged lengthways. *Legs* stout; femora dilated and angulated, dentate, so as to appear deeply notched at the extremity; tibiae flexuous.

Most nearly related to *D. sudus*, the snout rather shorter and stouter, the eyes rather more distant from the thorax, the latter broader and more rounded, and the elytra more attenuated posteriorly.

Length (rost. excl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{4}$  line.

My specimen was found at Northcote (Waitemata Harbour).

### **Cænophanus.**

*Nov. gen.*

*Rostrum* moderate, sub-cylindrical, arcuated, slightly expanded in front; *scrobes* sub-apical, oblique. *Antennæ* moderate, implanted near the apex; *scape* flexuous, gradually incrassated; *funiculus* 7-articulate, two first joints elongate, equal, joints 3-7 obconical, decreasing in length; *club* elongate-oval, 3-jointed. *Eyes* distant from thorax and one another, longitudinally oval, distinctly faceted, prominent. *Prothorax* sub-conical, small, constricted anteriorly, base and apex truncate, rounded laterally. *Scutellum* minute, oblong. *Elytra* oviform, thrice the length of, and broader than, the thorax at the base. *Legs* stout; anterior femora so clavate as to appear notched at the extremity; the thickening of the intermediate ending acutely, yet not quite dentate; the posterior laterally compressed and strongly and acutely protuberant below; *tibiæ* stout, flexuous, the hind pair considerably ridged longitudinally, and cavernose at the extremity; *tarsi* rather broad, their two basal joints triangular, the penultimate expanded and truly bi-lobed, being cleft to the base.

Related to *Eugnomus*, but the eyes, *tibiæ*, and hind-body present disparities of structure; the latter is far more elongate and narrowed towards the front.

No. 820 should be located at the end of the *Eugnomii*, so as to become known as *Eugnomus squamosus*, and to form a connecting link between that genus and *Cænophanus*; ultimately it may be made the type of a new genus.

1419. **C. flavipilus**, *n.s.* Elongate, elliptical, slightly convex; a little glossy, chestnut-red, legs and antennæ red, clothed with yellow hairs.

*Rostrum* punctate, indistinctly tri-carinate, apex blackish. *Head* punctate, dilated behind. *Prothorax* about as long as broad, contracted in front, its sides rounded; closely punctured, with a few elongate scales at base. *Elytra* truncate at, and narrowed towards, the base, humeral angles oblique, widest behind the middle, not greatly attenuated behind, elongate-oval; punctate-striate, interstices as broad as the punctures; their clothing rather dense, consisting of fine and coarse hairs, the latter not very numerous and seeming to form lines on the interstices. *Legs* robust, pilose.

Length (rost. incl.), 3 lines; breadth, 1 line.

The only specimen I have seen was taken by Mr. T. F. Cheeseman on Mount Arthur.



## Group—SCOLOPTERIDÆ.

## Amylopterus.

1420. *A.* <sup>7</sup>*prasinus*, *n.s.* Elongate; head and thorax obscurely coloured, the latter greenish, elytra and most of the legs green, tarsi and antennæ rufo-testaceous, club infusate.

*Rostrum* cylindrical, sparingly clothed with yellow hairs, punctated. *Head* punctate, clothed like the beak, twice as broad as the latter; *eyes* large and prominent. *Prothorax* conical, about as long as broad, its punctation coarse but rather shallow and distant, densely covered with golden-coloured scales and hairs, those near the sides more scattered and darker. *Scutellum* oblong, nearly smooth. *Elytra* sub-triangular, elongate, twice as broad as thorax at the base, shoulders obliquely rounded, prominent, not hooked; they are striate-punctate, and each bears a laterally-compressed acute tubercular elevation in line with the hind thighs, and another more protuberant one near the apex; they are sparingly clothed with fine golden-yellow hairs, and, on each elytron, with three patches of depressed yellow scales, the largest between the spiniform elevations, the smallest near the scutellum. *Antennæ* elongate, scape slender, clavate at the extremity, with fuscous hairs; funiculus similarly clothed, second joint elongate, cylindric, about as long as third and fourth conjointly; club elongate-oval, 3-jointed, pubescent. *Legs* long and stout; posterior *femora* greatly produced and dentate below; *tibiæ* of the same pair strongly arcuated.

Differs from *Ancistropterus* in having a broader head, and, consequently, more widely separated eyes, in the humeral angles not being spiniform, in the presence of four elytral tubercles above, and in the structure of the hind legs.

Length (rost. incl.),  $2\frac{1}{4}$ – $2\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ –1 line.

I detected four individuals of this charming weevil on *Panax anomalum* on the Waitakerei Range.

## Group—CRYPTORHYNCHIDÆ.

*Acalles* (p. 488).

1421. *A. griseus*, *n.s.* Ovate, moderately convex; piceous, beak shining pitchy-red; clothing dense, consisting of depressed griseous and fuscous scales and setulæ.

*Rostrum* stout, as long as thorax, smooth on the middle, with fine elongate punctures on the sides and scales behind. *Prothorax* as long as broad, contracted in front, its sides obtusely rounded, base feebly sinuated, coarsely and closely punctated. *Scutellum* distinct, squamose. *Elytra* but little broader than thorax at the base, humeral angles oblique, sides sub-parallel, narrowed behind the posterior femora, on nearly the same plane as the thorax, seemingly striate-punctate, the interstices more or less ridged, the middle one of each most elevated behind; the fuscous scales form small irregular spots. *Antennæ* shining, scape half the length of the funiculus, the two basal joints of the latter elongate and nearly equal; they are implanted just behind the middle of the snout. *Legs* robust, covered with scales and setulæ.

Resembles *A. intutus*; the rostral punctation is finer and more distant, the elytra slope more gradually behind and are less obviously punctured, and the insect is a good deal larger.

Length (rost. excl.), 2 lines; breadth, 1 line.

I found my unique example some years ago near Auckland.

1422. *A. diversus*, *n.s.* Broad, sub-ovate, moderately convex, squamose, variegate, dark-red; antennæ and tarsi ferruginous.

*Rostrum* moderately long and stout, a little thickened behind, its sculpture consisting of longitudinal grooves, and punctures near the apex, with some yellowish scales behind. *Eyes* longitudinally oval, depressed, coarsely faceted. *Head* globular, sunk up to the eyes. *Antennæ* moderate, shining; scape flexuose, clavate at the extremity; funiculus pubescent, first joint large and stout, second longer than third, joints 3-7 decrease in length but become more transversal; club ovate. *Prothorax* about as long as broad, sub-conical, closely punctured, with round, flat, whitish scales on the middle, and erect pale-brown setæ elsewhere. *Scutellum* invisible. *Elytra* short and broad, broader than thorax, but not much exceeding its breadth at the base, rounded laterally, deflexed behind; coarsely striate-punctate, without superficial irregularities; the depressed whitish scales form four spots, two elongate near the scutellum and one near the middle of each side; pale-brown depressed and erect scales cover most of their surface. *Legs* stout, densely covered with erect pallid setæ.

In general appearance like *A. canescens*; the elytra, however, are of much more rounded outline, and the colour and squamosity are essentially different.

Length (rost. excl.), 1 line; breadth, quite  $\frac{1}{2}$ .

I found one at Parua.

1423. *A. cingulatus*, *n.s.* Sub-ovate, narrowed and a little depressed medially, moderately convex; densely clothed with depressed testaceous and dark-coloured scales, and erect, variegate, elongate, hair-like setæ; red; tarsi and antennæ fulvous, the club of the latter blackish.

*Rostrum* moderate, shining, longitudinally sculptured. *Antennæ* short, glossy, nearly nude; scape gradually incrassated; funiculus nearly twice as long as scape, first joint large, second hardly the length of the following two united, joints 3-7 decrease in length; club large, opaque, pubescent. *Prothorax* large, longer than broad, but little rounded laterally, transversely convex, gradually narrowed and produced anteriorly, coarsely punctated; the testaceous, sometimes fulvous, scales predominate, but without forming distinct marks; the upright hairs are fuscous. *Elytra* obovate, not much longer but broader than thorax, striate-punctate; the fulvous or testaceous scales are scattered over the surface, but generally form an obvious band in line with the hind thighs; on the band the erect setæ are usually all white, the darker ones prevail elsewhere. *Legs* stout, clothed with upstanding pallid setæ. *Underside* pitchy-red, setigerous; the basal segments of the abdomen with large punctures.

Shorter and relatively broader than *A. hystriculus* and *A. trino-*

*tatus*, and much more contracted medially; more nearly resembles *A. rubricus*; not like any other known species. The most brightly coloured example has been selected as the type.

Length (rost. excl.),  $\frac{7}{8}$ —1 line; breadth,  $\frac{3}{8}$ .

About half a dozen individuals have been received from Mr. P. Stewart-Sandager, of Wellington.

1424. *A. sentus*, *n.s.* Convex, sub-ovate, medially narrowed and depressed, rough; clothed with pale-brown scales and erect hair-like setæ; dark-red, tarsi and antennæ testaceous-red, club pitchy-red.

*Rostrum* moderate, nude, and linearly punctate in front, squamose behind. *Head* immersed to the eyes. *Prothorax* longer than broad, sub-ovate, its anterior portion depressed and narrower than the base; except an ill-defined dorsal line, coarsely punctured; the squamosity more congregated on each side of the middle than elsewhere; it is produced anteriorly. *Elytra* of the same width as the thorax at the base, which is emarginated at the middle; they are considerably rounded laterally and widest near the middle; their surface uneven, having rows of coarse punctures, and six squamose elevations near each side of the sutural region, which, consequently, seems depressed. *Legs* robust, setose. *Antennæ* normal, inserted in the middle.

Not unlike *A. cingulatus* in contour; the elytra are more regularly rounded laterally and narrower at the base, and the whole insect is darker and of a rougher aspect.

Length (rost. excl.), 1 line; breadth,  $\frac{1}{2}$ .

My two specimens were from Wellington, where they were found by Mr. P. Stewart-Sandager.

Nos. 1290, 1291, and 1292 might with advantage be removed from *Dolichoscelis*, and with the present, as well as one or two other species, be included under a distinct generic name. I have, however, seen but few examples, and, though homogenous, they do not discover any well-marked structural character to warrant the creation of a new genus.

1425. *A. latirostris*, *n.s.* Elliptical, very convex; variegate, antennæ and tarsi reddish.

*Rostrum* as long as thorax, broad, dilated anteriorly, smooth along the middle; punctulated elsewhere, pitchy-red, squamose behind. *Prothorax* as long as broad, not greatly narrowed in front, rather flat above; covered with depressed scales, greenish in front, fuscous near the base and sides, greyish ones prevail on two basal lines, whilst erect blackish ones form two inconspicuous dorsal crests; its sculpture is quite invisible. *Elytra* but little wider than thorax at the base, gradually narrowed from behind the oblique shoulders, almost triangularly obovate, disc a good deal elevated, hind slope abrupt; their sculpture completely concealed; squamosity dense; flat pitchy scales cover a great part of their surface; there are a few pale-brown ones near the shoulders, some grey ones near the base and sides; the posterior declivity is covered with fusco-



testaceous scales, and erect similarly-coloured ones form two crests on its summit. *Legs* stout, somewhat rufescent, clothed with upright grey scales. *Antennæ* stout, of the orthodox pattern, arising from the middle of the beak.

In some respects resembles a small and narrow *A. erroneus*, but more nearly allied to *A. decemcristatus* in the form of the elytra. The green scales on the front of the thorax form a distinguishing feature.

Length (rost. excl.), 1 line; breadth,  $\frac{3}{8}$ .

One of my Parua captures.

1426. **A. decemcristatus**, *n.s.* Fuscous, closely covered with testaceous and blackish scales, with erect ones of the former colour on the elevated parts forming ten tufts, four on the thorax, two apical, the others dorsal, two close together near the middle of each elytron, and two more conspicuous ones on the top of the hind slope; the blackish scales are congregated on the base and the sides of the apex, whilst the hind slope, along the suture, is densely covered with pallid squamosity; the antennæ and tarsi are red.

*Rostrum* rather short and stout, barely as long as thorax, linearly punctate in front, scaly behind. *Prothorax* longer than broad, sub-conical, transversely depressed near the front, its sculpture imperceptible. *Elytra* triangularly obovate, not obviously wider at the base than at the thorax, broadly dilated before the middle, greatly narrowed and deflexed posteriorly, rather suddenly elevated behind their base, the space between the crests nearly plane; their sculpture invisible. *Legs* robust, covered with fuscous scales and coarse setæ. *Antennæ* implanted at the middle of the snout, rather short; second joint of the funicle nearly as long as, but much more slender than, the first.

Can only be compared with the following species (*A. triangulatus*), but the elytra are far more obliquely narrowed in front, more strongly elevated, and the thorax is narrower and less conical.

My specimen is unique. Collected by Mr. P. Stewart-Sandager near Port Nicholson.

1427. **A. triangulatus**, *n.s.* Convex, uneven, squamose, variegate; fuscous, antennæ and tarsi red.

*Rostrum* black, its punctation linear, smooth but not costate along the middle, its basal portion covered with yellowish scales; it is arched and sub-parallel. *Antennæ* inserted at the middle, sparsely pilose; first joint of the funiculus obconical, and longer than the following ones; club oval, compact. *Prothorax* a little longer than broad, conical, somewhat depressed anteriorly; covered with flattened fuscous and testaceous scales, and many erect and more obscurely-coloured scales and setæ near the sides and apex. *Scutellum* distinct, squamose. *Elytra* sub-triangular, a little wider at base than the thorax, broadest just behind the shoulders, considerably attenuated and suddenly depressed apically; sub-punctate-striate, their squamosity variegated, reddish-brown, black-

ish, and testaceous; the upright scales of the last-mentioned hue form two protuberant crests on the summit of the posterior declivity. *Legs* long and stout, densely clothed in the same way as the body.

The presence of the scutellum allies it to *A. intutus*, but there the likeness ends. If the shoulders were not oblique, the hind-body would be perfectly triangular.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

The pair I possess were sent from the vicinity of Port Nicholson by Mr. Stewart-Sandager.

1428. **A. cinereus**, *n.s.* Opaque, piceous, densely clothed with depressed greyish and obscure testaceous scales intermingled with whitish setæ; antennæ and tarsi pitchy-red; only moderately convex, broadly sub-ovate.

*Rostrum* arched, sub-parallel, as long as thorax, rugosely punctate. *Prothorax* as long as broad, contracted in front, sides but little rounded, feebly sinuated and depressed at the base, with ocular lobes closely punctured. *Elytra* a little broader than thorax, with nearly straight sides, gradually narrowed and deflexed behind; disc not much elevated, with rows of coarse, shallow, distant punctures; scutellar region depressed, with four small granules near that part. *Legs* robust, scaly, the extremity of the tibiæ ciliated with golden hairs. *Underside* densely punctate and squamose. Mesosternal margins of the *pectoral canal* elevated. *Antennæ* inserted before the middle, and joint of funiculus quite as long as the first.

An aberrant form.

Length (rost. excl.),  $2\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

I took my specimen off a *Leptospermum* at Whangarei Heads.

### **Tychanus** (p. 498).

1429. **T. scabiosus**, *n.s.* Sub-oblong, moderately convex, squamose; rufo-fuscous variegated with black; antennæ and tarsi red.

*Rostrum* as long as thorax, slightly dilated behind, blackish, punctured in lines anteriorly, squamose behind. *Scape* short, rather slender; basal joint of *funiculus* stout, triangular, second longer and more slender, seventh transversal; *club* oval. *Prothorax* transverse, contracted in front, nearly level above, its coarse punctation filled with fuscous scales; long upright pale-brown scales are distributed over the sides and apex and form two median crests. *Elytra* sub-quadrate, narrowed and depressed posteriorly, moderately elevated near the middle, uneven, sub-striate; with two short rows of punctures on each side of the suture at the base, and some ill-defined tubercular elevations elsewhere; most of their surface reddish, but with the shoulders, two basal stripes, and on each a curved ante-apical streak, blackish; the flat scales occupy most of their surface, the pale erect ones the raised parts. *Legs* densely squamose, thighs dentate.

Like *T. ferrugatus* in outline, but of much rougher aspect,

Length (rost. excl.), 2 lines; breadth, 1 line.

Described from one example communicated from Mr. P. Stewart-Sandager, Wellington.

### Rhyncodes (p. 502).

1430. **R. atrus**, *n.s.* Black, glossy, sparsely clothed with white hair-like scales.

*Rostrum* elongate, sub-parallel, gradually widened behind, very finely and distantly punctated, almost nude.

*Head* finely and rather closely punctured, squamose. *Prothorax* sub-conical, contracted anteriorly; its sculpture close, consisting of moderate and minute punctures irregularly distributed; with an abbreviated raised line before the scutellum; broader than long. *Scutellum* nude. *Elytra* convex, sides nearly vertical, gradually narrowed to within a short distance of the apices, from thence obliquely attenuated and a little acuminate at their extremities; coarsely punctate-striate, interstices minutely punctured, the third, fifth, and seventh a little more elevated than the others; the fourth, fifth, and seventh become confluent before the apices, and the seventh is incurved towards the third, causing an inequality of surface at that part; the elongate scales predominate in the furrows. *Legs* normal, sparingly clothed with griseous hairs, the four posterior femora squamose near the extremity. *Underside* shining-black, nearly smooth, the squamosity sparingly distributed and yellower than those on the upper surface. *Pectoral canal* deep, its raised margins extending beyond the middle of the intermediate coxæ. *Antennæ* inserted near the middle, basal joint of the funiculus longest, the others gradually decrease; *club* opaque, densely pubescent.

Length (rost. excl.), 10 lines; breadth,  $4\frac{1}{2}$ .

My specimen was obtained by Mr. T. F. Cheeseman, F.L.S., on Mount Arthur.

### Group—COSSONIDÆ.

On page 731, Part II., of the Manual of the New Zealand Coleoptera, there is an allusion to the difficulty likely to be experienced in accurately identifying the numerous species of this group, now seventy. Having recently made a thorough examination of its somewhat heterogeneous exponents, I came to the conclusion that a revision had become necessary. The species have accordingly been rearranged in my cabinet in such a way that, it is hoped, their determination will be greatly facilitated. The following list will express my views:—

Nos. 906	<i>Pentarthrum apicale</i>	Nos. 907	<i>Pentarthrum brunneum</i>
908	" <i>rufum</i>	911	" <i>brevirostre</i>
1297	" <i>sculpturatum</i>	1304	" <i>ruficorne</i>
1301	" <i>asperella</i>	1303	" <i>rugirostre</i>
1299	" <i>confine</i>	1298	" <i>reductum</i>
1300	" <i>punctirostre</i>	919	" <i>piceum</i>
903	" <i>zealandicum</i>	925	" <i>ferrugineum</i>
905	" <i>subsericatum</i>	1306	" <i>conicollæ</i>



Nos. 909	<i>Pentarthrum assimilatam</i>	Nos. 914	<i>Macroscytalus remotus</i>
904	" <i>longirostre</i>	915	" <i>aneopiceus</i>
1431	" <i>crenatum</i>	920	" <i>badius</i>
910	" <i>planiusculum</i>	1433	" <i>depressus</i>
924	" <i>lateritia</i>	921	<i>Proconus asperirostris</i>
926	" <i>sharpianum</i>	940	<i>Heteropsis lawsoni</i>
912	<i>Rhinanisus fulvicornis</i>	927	<i>Entium aberrans</i>
913	" <i>parvicornis</i>	935	<i>Mesoxenophasis brouni</i>
923	" <i>contiguus</i>	937	<i>Microtribus huttoni</i>
917	<i>Dicœdimorphia wollastonianum</i>	988	<i>Novitas rufus</i>
918	" <i>debile</i>	939	" <i>nigrans</i>
928	<i>Agrilochilus prolixus</i>	946	<i>Pogonorhinus opacus</i>
236	<i>Diacanthorhinus bellus</i>	1436	<i>Euodontus punctithorax</i>
929	<i>Sericotrogus subænescens</i>	947	<i>Arecophaga varia</i>
932	" <i>stramineus</i>	941	<i>Phlœophagosoma corvinum</i>
931	" <i>ovicollis</i>	943	" <i>thoracicum</i>
1302	" <i>auricomus</i>	1310	" <i>rugipenne</i>
916	" <i>vestitus</i>	1311	" <i>abdominale</i>
1307	" <i>castus</i>	944	" <i>dilutum</i>
934	" <i>setiger</i>	945	" <i>pedatum</i>
1432	<i>Agastegnus ruficollis</i>	942	" <i>constricticollis</i>
930	" <i>longipes</i>	948	<i>Eutornus dubius</i>
922	" <i>gratus</i>	949	" <i>vicinus</i>
923	" <i>simulans</i>	950	" <i>breviceps</i>
1305	<i>Bœorhopalus glabrus</i>	951	" <i>amplus</i>
1308	<i>Macroscytalus laticollis</i>	952	" <i>littoralis</i>
1309	" <i>russulus</i>	953	<i>Xenocnema spinipes</i> .

The old No. 925, proving on re-examination to be identical with *Entium aberrans*, has been expunged from the list, and a new species (*Pentarthrum ferrugineum*) substituted. The generic name *Lasiorhinus* has been replaced by a more appropriate one (*Pogonorhinus*). Nos. 912, 913, and 923 have had a new name (*Rhinanisus*) coined for them. Nos. 917 and 918 have been treated in a similar way. A new species (*Agastegnus ruficollis*) has been made the type of another new genus, and with it are associated Nos. 930, 922, and 933. No. 1305 has been deemed the representative of another distinct form (*Bœorhopalus*). *Pentarthrum asperirostre* (No. 921) has become *Proconus asperirostris*. *Euodontus punctithorax* is a new genus and species.

I have adopted *Pentarthrum apicale* as the typical form of the genus. The five following agree with it in having the margins of the elytra explanated apically; their relationship therefore can be easily perceived. The name *Pentarthrum* should, in my opinion, be restricted to the species from No. 904 to No. 906; the succeeding four are certainly of abnormal form, and had the author (the late T. V. Wollaston) of the original diagnosis of this genus considered, as I do, the *P. sharpianum* the exponent of a new genus, I would have placed Nos. 910 and 924 along with it, and then made a new generic name for *P. crenatum*. Had it been expedient to pursue the course indicated, I would have located all the species from No. 910 to 936 after *Belinophorus nigrans*, so that *Sericotrogus subænescens* should succeed *P. crenatum*.

The student having these remarks and the descriptions before him will, I hope, find the nomenclature of a cossonideous collection much simplified.

**Pentarthrum** (p. 508).

925. **P. ferrugineum**, *n.s.* Shining, ferruginous; tarsi and antennæ sub-fulvous.

*Rostrum* cylindrical, moderately broad, with a few fine fulvous hairs near the sides and apex, rather finely and not closely punctured, nearly smooth along the middle. *Antennæ* inserted behind the middle, stout, second joint of the funiculus slightly longer than third, with fine greyish hairs, club rather short and rounded, obsoletely articulated. *Prothorax* longer than broad, triangularly ovate, a good deal narrowed and constricted in front, considerably rounded behind the middle, leaving an obvious space between the dilated part and the elytral angles; plane above, its dorsal line smooth, the rest of its surface moderately punctated, the punctures not confluent. *Elytra* rather short, base bi-sinuated, apices not explanate, sub-depressed; striate-punctate, interstices with a row of minute and distant punctures; nevertheless, owing to the sub-crenate punctures in the striæ, appearing rugulose; the first three reach the apices, but the others are abbreviated and cause ante-apical depressions. *Legs* moderate, tarsi rather pilose. A few fine hairs may be seen near the base of the thorax, but none elsewhere.

When placed side by side with *P. zealandicum* the difference in size at once strikes the eye, the elytra being notably shorter; the thorax is more strongly rounded laterally and quite as broad as the elytra, and, though the smooth neck is distinctly marked off, the eyes seem a trifle less prominent; the snout is stouter than that of the female, but not so broad as in the other sex of that species.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$  line.

I found one near Parua. This species is substituted for *P. punctatum*, which on re-examination proves to be identical with *Entium aberrans*.

1431. **P. crenatum**, *n.s.* Sub-depressed, moderately glossy, dark-red, antennæ and tarsi paler, pubescent.

*Rostrum* cylindrical, slightly narrowed behind, bearing a few yellow hairs along the sides and front, distinctly punctured. *Prothorax* ovate-triangular, constricted in front, impressed along the dorsum, moderately coarsely and closely punctured, not rugose, sparingly clothed with fine but rather elongate yellow hairs. *Scutellum* smooth. *Elytra* truncate at base, rather broad, parallel, rounded apically; disc rather plane, striated, the striæ crenate-punctate, interstices moderately broad, quite rugulose, the six inner attain the apices, these latter not in the least explanate. *Legs* moderate, tarsi stout, their penultimate joint sub-bilobed. *Antennæ* pubescent, inserted medially, second joint of the funicle decidedly longer than third. *Club* rather narrow and elongate.

This insect presents some peculiarities as compared with the true *Pentarthra*. The rostrum is intermediate in form between the two sexes of *P. zealandicum*; the eyes are depressed; the thorax is rather short, and the elytra are broader than it; the yellowish brassy hairs are conspicuous. The coarse punctation of the head ceases abruptly behind the eyes, leaving a broad smooth neck.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Described from one example in my own collection, probably from the Waitakerei.

### Rhinanisus.

Nov. gen.

Allied to *Pentarthrum*; distinguished from it by the *rostrum* being evidently narrower behind the antennal insertion than its broad anterior portion, even in the female sex; in the eyes being smaller and less convex; and in the *form* being rather broad and sub-depressed, instead of being cylindrical as in that genus.

The type is No. 912, now *Rhinanisus fulvicornis*. Nos. 913 and 923 become *R. parvicornis* and *R. contiguus* respectively.

### Dioedimorpha.

Nov. gen.

*Rostrum* of variable length, rounded and dilated at apex and again at antennal insertion; *scrobes* short, oblique, so that the scape in repose extends below and as far as the back part of the eye. *Head* large sub-oblong, with a broad neck. *Eyes* small, depressed, distinctly faceted, antero-lateral. *Antennæ* moderate, funiculus 5-articulate, club ovate. *Prothorax* not greatly exceeding the head, sub-conical. *Scutellum* distinct. *Elytra* very elongate, quite parallel, not quite so broad as thorax. *Legs* rather short and stout; *femora* moderately inflated; *tibiæ* sub-triangular, with terminal hooks. Four anterior *coxae* small, with obvious cavities; all three pairs distant. *Prosternum* large, truncate behind. *Mesosternum* and *metasternum* connate, without the least trace of suture, conjointly very elongate. *Abdomen* long, its two large basal segments not distinctly separated, the next three sutures profound. *Body* linear and depressed.

This genus is intended for the reception of *Pentarthrum wollastonianum* and *debile*, as these two species cannot be satisfactorily referred to *Pentarthrum*. The above diagnosis has been taken from the male of the former species; in the other sex the rostrum is more elongate, and the apical and antennal dilatations are less evident.

### Agastegnus.

Nov. gen.

*Rostrum* of moderate length, slightly and gradually dilated anteriorly among the males, nearly cylindric in the other sex. *Antennæ* elongate; scape flexuose, and gradually incrassated; funiculus 5-articulate, second joint longer than third; club ovate, moderate; they spring from just before the middle of the beak. *Head* immersed nearly to the eyes, not contracted behind. *Eyes* oviform, distinctly faceted, flat. *Prothorax* almost triangularly ovate, narrowed and constricted in front. *Scutellum* small but distinct. *Elytra* rather broad, sub-depressed, sub-parallel. *Legs* long; thighs moderately inflated; *tibiæ* flexuose, with terminal hooks; tarsi elongate, their three basal joints short and broad; penultimate



sub-bilobed, the terminal equalling the other three. Anterior *coxæ* distant. *Body* pilose.

Differs from *Pentarthrum* and *Sericotrogus* in having long legs, a short head, and depressed eyes, whilst the form of the antennal club separates it from *Macroscytalus*, to which it is, on the whole, most nearly allied.

Besides the typical species it includes Nos. 922 and 930, which must accordingly be named *A. gratus* and *A. longipes*. I have a specimen of Dr. Sharp's *Sericotrogus simulans*, or what I believe to be one. If I have judged correctly it belongs to this genus, but, as the author does not allude to "long legs and flattened eyes," it must be considered doubtful at present.

1432. **A. ruficollis**, *n.s.* Slender, moderately elongate, sub-depressed, clothed with fine elongate yellowish hairs; beak and thoracic disc rufescent, elytra and legs piceous, the latter darker; antennæ testaceous-red, the club and tarsi pitchy-red.

*Rostrum* shorter than thorax, not broad, gradually expanded towards the extremity, nude, shining, sparingly and finely punctured. *Head* more coarsely punctated, pubescent. *Prothorax* longer than broad, sub-depressed, constricted and narrowed in front, obtusely rounded behind the middle, leaving an evident gap between it and the humeral angles, moderately coarsely but not very closely nor rugosely punctured; the intervals between the punctures very minutely punctulated. *Scutellum* smooth. *Elytra* rather broader than thorax, about twice its length, scarcely rounded laterally, sub-depressed; coarsely striate-punctate; interstices almost imperceptibly and remotely punctulated, the second sensibly elevated near the apices, and curved towards the external ones. *Legs* long, clothed with fine greyish hairs.

If the base of the thorax be carefully examined, it will be seen that the punctures are replaced by minute, transverse, linear impressions. The thorax of *A. longipes* is much broader and more strongly rounded at the sides, and is longitudinally depressed on the disc.

Length,  $\frac{7}{8}$  line; breadth, less than  $\frac{1}{4}$ .

My specimen is from the Waitakerei.

## Bæorhopalus.

*Nov. gen.*

*Rostrum* moderately elongate, slightly arched, considerably contracted behind, in front sub-parallel; its *scrobes* short and profound, not capable of receiving the scape, which is accommodated along the posterior contraction. *Antennæ* short and stout; *scape* a good deal incrassated apically, attaining the middle of the eye; *funiculus* 5-jointed, second articulation rather longer than third; club ovate. *Head* exserted but not elongate, curvedly narrowed in front, with a linear post-ocular impression; the neck broad. *Eyes* small, not prominent, perceptibly granulated. *Prothorax* not much longer than broad,

greatly narrowed and constricted anteriorly, its sides and hind angles much rounded. *Scutellum* distinct. *Elytra* elongate-oblong, narrowed behind. *Legs* stout; *femora* nearly straight below, and not notched at the extremity, swollen above; *tibiæ* gradually expanded apically, uncinatè; *tarsi* moderate, third joint sub-bilobed. *Mesosternum* short, its suture straight. *Metasternum* moderate, flat and canaliculate. *Abdomen* rather short, two basal segments largest. *Body* rather broad, depressed, bald, or nearly so.

A form near *Macroscytalus*, but distinguished therefrom by its small orthodox club; differentiated from *Pentarthrum* by its form, the structure of the snout, &c.

The genus is founded on No. 1305, now *Bæorhopalus glabrus*.

### Macroscytalus (p. 736).

1433. **M. depressus**, *n. s.* Ferruginous, nitid, tarsi and antennæ dilute, minutely pubescent, depressed.

*Rostrum* moderately broad, narrowed behind, moderately finely punctured. *Antennæ* robust, club long, pubescent. *Prothorax* longer than broad, considerably narrowed and slightly constricted anteriorly, rounded behind the middle, slightly impressed before the scutellum; its punctation neither very coarse nor close, and rather shallow. *Elytra* very slightly rounded laterally, broadly depressed behind the base, punctate-striate, the interstices with a row of minute punctures. *Legs* stout.

May be easily identified by the broad depression before the middle of the elytra. No. 915 (*M. æneopiceus*), though somewhat similarly impressed, is a totally different insect.

Length, 1 line; breadth, nearly  $\frac{1}{4}$ .

My specimen, mutilated, was found at Parua.

### Proconus.

*Nov. gen.*

*Rostrum* obconical, as long and, in front, as broad as the head, broadly impressed anteriorly; its scrobes oblique. *Antennæ* short and stout; *scape* short, gradually thickened; *funiculus* 5-articulate, longer than scape, two basal joints obconical, second larger than third; *club* ovate, compact, its base not greatly exceeding the fifth joint in breadth. *Head* exserted, with a broad neck. *Eyes* small, oviform, distinctly faceted, not prominent. *Prothorax* considerably narrowed and constricted in front, broadly rounded behind the middle. *Scutellum* distinct. *Elytra* elongate-oblong, base truncate, apices rounded. *Legs* stout; *femora* inflated, *tibiæ* sub-triangular, with distinct hooks; *tarsi* rather short, third joint deeply emarginated. *Body* rather broad, depressed, with a few longish hairs on the front of the thorax, and minute ones on the hind-body. Female incog.

Should be located near *Heteropsis*.

This genus is constituted for *Pentarthrum asperirostre*, which, therefore, must stand as *Proconus asperirostris*.

**Euodontus.***Nov. gen.*

*Rostrum* rather elongate, a little arched, parallel, slightly dilated at the apex; *scrobes* linear, extending from near the apex to the lower part of the eyes. *Antennæ* elongate, implanted near the apex; *scape* long, slender, and somewhat incrassated at the extremity; *funiculus* 7-articulate, basal joint large, obconical, joints 2-7 decrease in length, the last broadest, quite transverse, second longer than third; *club* large, ovate, obsoletely articulated. *Head* globuliform, immersed. *Eyes* large, slightly prominent, distinctly faceted, rounded below, truncated inwardly. *Prothorax* transversal, base and apex truncate, sides rounded. *Scutellum* distinct, triangular. *Elytra* oblong-oval, but slightly curved laterally. *Legs* robust, four anterior *femora* clavate, deeply notched at the extremity, so as to be sharply angulated beyond the middle, the posterior somewhat similarly formed, but quite dentate below; *tibæ* stout, flexuous, mucronated but not visibly hooked at the extremity; *tarsi* rather broad, penultimate joint expanded and bilobed. *Body* rather broad, but little convex, pubescent.

Intermediate between *Pogonorhinus* and *Arceophaga*, the rostrum like that of the latter, but not ciliated as in the former.

1434. **E. punctithorax**, *n.s.* Sub-oblong, slightly convex, not very glossy, bearing fine griseous hairs; fusco-castaneous, legs and antennæ more or less rufescent.

*Rostrum* not twice the length of the thorax, cylindrical, almost bi-sulcate. *Prothorax* broader than long, nearly flat above, rounded laterally, narrower in front than behind; its punctation neither close nor deep, the intervals between the punctures densely and minutely sculptured. *Elytra* broader than and twice as long as the thorax, slightly incurved at the base, the sides but little rounded, apices not expanded, striate-punctate, interstices nearly plane, closely but minutely punctated, not elevated nor abbreviated apically. *Legs* and *tarsi* pilose. *Antennæ* long, scape nude, funicle hairy; club shorter than funiculus, sub-opaque, densely pubescent. *Meta-sternum* moderate.

Length (rost. incl.), 2 lines; breadth,  $\frac{5}{8}$ .

A distorted specimen was communicated, along with a few other well-known beetles, by Mr. J. Adams, Headmaster of the Thames High School.

**Group—CERAMBYCIDÆ.****Didymocantha** (p. 568).

1435. **D. clavipes**, *n.s.* Elongate, sub-depressed, moderately shining, rufo-castaneous, femora dilute, tarsi and antennæ rufescent.

*Head* punctate in front, the occiput with short smooth raised lines, the intervals densely and minutely sculptured, its yellow pubescence thickest near the eyes. *Prothorax* as long as broad, slightly convex, obtusely rounded laterally, narrowest in front, base bi-sinuate; the dorsal line smooth, a broad space on each side of it



coarsely punctured, the sides a little uneven, destitute of tubercles, and, with the exception of a few large punctiform impressions, not sculptured, but densely pubescent; the coarser yellow hairs are confined to the dorsum. *Scutellum* densely pubescent. *Elytra* broader than thorax, near the base transversely punctate-rugose, from thence the punctation becomes finer and less rugose, so that towards the apices it is nearly obsolete; they bear short, decumbent, coarse, pallid hairs. *Legs* pubescent; femora strongly clavate, *id est*, nearly straight below but arched above. *Antennæ* as long as the body, their fourth joint shorter than third, the latter but little shorter than fifth.

May be readily identified by the absence of thoracic tubercles, and the strongly inflated thighs.

Length,  $5\frac{3}{4}$  lines; breadth,  $1\frac{1}{2}$ .

One example in my own collection; exact locality unknown.

1436. **D. robusta**, n.s. Sharp; *Trans. Entom. Soc.*, 1882, p. 92.

### **Ptychopterus.**

*Nov. gen.*

*Body* elongate, slightly convex, sub-opaque, sparsely pubescent. *Head* prorected, oviform, with a short muzzle. *Eyes* large, reniform, coarsely faceted. *Palpi* of moderate length, the terminal joint of the maxillary nearly twice as long as the penultimate, nearly securiform. *Antennæ* inserted on the forehead in line with the inner margin of the eyes, pubescent, 11-articulate; basal joint stout, not much clavate, second minute, third and fourth equal, each a little longer than the first, joints 5-7 longest and about equal, the last four compressed; they are shorter than the body. *Prothorax* sub-cylindrical, contracted near the apex, base emarginate, the sides dilated just behind the middle and armed with a strong acute spine; two other equally stout, erect spines are placed on the disc. *Scutellum* transverse, rounded behind. *Elytra* elongate, moderately convex transversely, humeral angles obtuse, the sides a little rounded, finely marginated; apices individually rounded, exposing a small portion of the abdomen, which, however, does not project. *Legs* rather slender, linear, simple; *tarsi* with brush-like soles, their basal joint about as long as the following two united, third small, deeply bilobed; claws simple. Another *coxæ* prominent, sub-conical, but little separated; intermediate prominent, also somewhat cone-shaped, more distant than the front pair, deeply notched; posterior further apart, less convex, notched and angulated. *Metasternum* short; *abdomen* elongate, the basal segment largest, its process triangular, the next four of nearly equal length.

This genus is founded on No. 1013. The capture of a perfect specimen, quite recently, on the Waitakerei Range, near Auckland, enables me to make known its characters. I have also changed the specific name from "*simpliceps*" to "*rugosus*," and add a short description.

1013. **P. rugosus**. Elongate, slightly convex, almost opaque

sparingly clothed with fine, short, yellow hairs; fusco-castaneous, legs and antennæ chestnut-red and densely pubescent.

*Head* closely and rugosely sculptured, without tubercles. *Prothorax* longer than broad, constricted in front, base emarginated, the lateral dilatations with a strong spine, its sculpture similar to that of the head, the discoidal spines robust and erect. *Scutellum* pubescent. *Elytra* elongate, broader than thorax, slightly curved laterally, transversely convex, so sculptured as to appear irregularly wrinkled, but much less coarsely than the thorax, each with three not very obvious costæ.

Length, 17 lines; breadth,  $4\frac{1}{2}$ .

The much-mutilated insect named *Blosyropus simpliciceps* (ante, p. 579) is considerably smaller than the one adopted as the type.

### Group—LAMIIDÆ.

#### Microlamia (p. 599).

1437. *M. æmula*, n.s. Elongate-oblong, sub-depressed, head and thorax æneous, blackish or fuscous, elytra reddish or brown, femora piceous or infusate; tibiæ, tarsi, and antennæ infusate-red or testaceous, the latter tipped with piceous. The first-mentioned colours indicate the male.

*Head* with linear impressions and punctures. *Prothorax* obtusely protuberant laterally, contracted at base; apex and base transversely strigose, the sides punctated and lineated, the middle of the disc quite smooth and glossy; it bears a few greyish hairs. *Elytra* oblong, slightly and gradually narrowed behind; their punctation coarse but not close, and not extending beyond the middle; they are depressed near the base and each has a sutural stria. In the male the *clothing* is very scanty, but in the other sex the elytra bear fine greyish hairs with a tendency to congregate, thereby producing a spotted appearance. *Antennæ* stout, filiform, joints 3-7 appreciably longer than the others, the second quite half the length of the third. In the male the four terminal joints extend beyond the body, in the female only two.

In contour the female resembles *M. pygmaea*, but may be easily distinguished therefrom by the maculate antennæ and much finer, depressed elytral clothing.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{1}{2}$  line.

My five specimens were taken at Parua.

#### Somatidia (p. 600).

1438. *S. crassipes*, n.s. *Head* punctate, infusate-red, rather densely clothed with decumbent yellowish hairs. *Prothorax* broadly oval, remotely punctured, with a few elongate griseous hairs, but otherwise clad like the head. *Elytra* oviform, gradually narrowed posteriorly, convex, rather coarsely, irregularly, and sparingly punctured to beyond the middle; the humeral regions, a transversal spot close to each hind leg, and a large longitudinal space near the apex dark-brown, the remainder of the surface covered with depressed yellowish hairs, with long erect ones near the sides. *Antennæ*

robust; basal joint stout; second obconical; third elongate, longer than fourth and fifth taken together; fourth rather longer than fifth; the others about equal; they are pubescent, reddish in colour, with more or less infusate tips. *Legs* robust, hirsute; femora greatly inflated, reddish-brown; tibiæ and tarsi testaceous, knees fuscous, intermediate tibiæ deeply excised near the extremity.

In form resembling Nos. 1050 and 1053. The body is narrowed towards the middle so that the thorax and elytra at their junction are of equal width; the third antennal joint is uncommonly long; the thighs much enlarged; and the insect without tubercular elevations. A second example sent to me for examination seems to be the female, having much less distended femora and shorter hind-body, but otherwise identical.

♂. Length, 3 lines; breadth,  $1\frac{1}{4}$ .

One of Mr. P. Stewart-Sandager's captures, Wellington.

1439. **S. elongata**, *n.s.* Narrow, elongate, slightly convex, gradually narrowed and depressed medially, variegated.

*Head* infusate, depressed between the antennæ, clothed with yellow hairs. *Antennæ* almost as long as the body, stout, pubescent; basal joint robust, second short, third nearly as long as fourth and fifth conjointly, fourth not twice the length of the fifth. *Prothorax* longer than broad, widest in front, its sides nearly straight to beyond the middle, from thence considerably and rather abruptly narrowed; its colour infusate, concealed by yellow hairs, densely punctated. *Elytra* elongate, oviform, widest behind the posterior femora, with four or five rows of punctures on each, not attaining the extremities, not tuberculate, sutural region testaceous, the rest fuscous, clothed with yellow hairs, but having two sub-apical white spots. *Legs* long, not thick; tibiæ somewhat flexuose.

An extraordinarily narrow and elongate species, quite dissimilar to the others.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

One of my captures at Waitakerei (unique).

### **Tetrorea** (p. 609).

1440. **T. discedens**, *n.s.* Sharp; *Trans. Entom. Soc.*, 1882, p. 95.

### **Hybolasius** (p. 609).

1441. **H. brevicollis**, *n.s.* Elongate, sub-oblong, almost depressed; head and thorax rufo-piceous, elytra pale-castaneous, legs nearly fulvous; basal joints of antennæ red, the others gradually become paler.

*Head* finely but densely granulated. *Prothorax* transverse, broadly impressed in front and behind, its lateral tubercles prominent but not acute, and placed behind the middle, its sculpture like that of the head, and, like it, sub-opaque; it bears fine pallid hairs. *Elytra* broadly and obliquely depressed from the shoulders to the middle, a good deal and rather abruptly narrowed apically;



the basal tubercles moderately large but simple, moderately coarsely punctated almost to the extremity, and clothed with decumbent pallid hairs. *Antennæ* slender, with erect cinereous hairs; third and fourth articulations elongate. *Legs* rather slender, with white hairs. Allied to *H. promissus*.

Length, 2 lines; breadth,  $\frac{3}{4}$  (nearly) line.

I found one on the Waitakerei Range, near Auckland.

1442. *H. picitarsis*, n.s. Narrow, scarcely depressed; antennæ and legs infusate-red, the apices of the tibiæ and the tarsi piceous; body mostly of a pitchy hue, but with the base and apex of the thorax, as well as the shoulders and apices of the elytra, rufescent, these latter with a straight blackish fascia just in rear of the hind thighs; pubescent.

*Head* nearly smooth on the middle, so sculptured as to seem covered with transverse granular elevations, clothed with fine yellow hairs. *Prothorax* as long as broad, obtusely dilated medially at the sides, depressed in front and behind, finely wrinkled transversely, its clothing yellowish. *Elytra* sub-parallel, basal tubercles simple and obsolete, their surface more or less pitted with irregular punctures to beyond the middle, their decumbent hairs become greyish posteriorly. *Legs* stout, their clothing rather short. *Antennæ* longer than body, bearing long griseous hairs; third and fourth joints elongate. Resembles *H. simplex* only.

Length, 2 lines; breadth, (nearly)  $\frac{1}{2}$  line.

Mr. T. F. Cheeseman brought one example from Mount Arthur.

1443. *H. pusillus*, n.s. Sub-depressed, oblong, variegate, principally pitchy-red, the elytra having the basal region and two curved anti-apical fasciæ (not always distinct) blackish, the extremity of the tibiæ and all but the two basal joints of the antennæ piceous.

*Head* granulated. *Prothorax* about as long as broad, depressed along its base, the sides obtusely dilated and then contracted behind; its disc granulated, and clothed with pale brassy hairs. *Elytra* coarsely punctured to near the apices, their basal tubercles small and not crested, bearing fine grey and long erect cinereous hairs. The *legs* are clothed with long white hairs; the *antennæ* with greyish ones.

*H. cristatellus* has tufted tubercles; *H. parvus* may be said to have none at all, and its antennæ are unspotted, which is not the case in the present species; No. 1320 is larger and differs otherwise; in *H. fasciatus* the basal region is nearly nude and shining, and on that part the punctures though moderately close are not coarse.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

I found five individuals at Northcote (Waitemata).

## Group—CHRYSOMELIDÆ.

## Scaphodius.

*Chapuis.*

1444. *S. compactus*, Sharp; *Ent. Mon. Mag.*, Aug. 1881, p. 50.

## Group—EROTYLIDÆ.

## Cryptodacne (p. 640).

1445. *C. vagepunctata*, n.s. Shining, infusate-red, legs testaceous, antennæ rufescent; sub-oblong, convex, slightly narrowed and depressed medially, sparingly pilose.

*Head* punctured in front, the middle of the vertex and the occiput quite smooth. *Antennæ* normal, bearing fine yellow hairs, their terminal joint obliquely cut away at the extremity. *Prothorax* nearly quadrate, incurved behind each eye, sides marginated and almost straight, narrowed a little towards the base; its punctation fine and rather distant, the broad dorsal space perfectly smooth, with a few fine yellow hairs. *Scutellum* transverse, smooth. *Elytra* gradually narrowed posteriorly, not at all contracted near the middle, impressed with rows of fine distant punctures having yellow hairs proceeding from them. *Legs* stout; *tibiæ* very slightly arched.

Smaller, the thorax more finely and distantly, the elytra more distinctly sculptured than *C. synthetica* and *C. lenis*, and the whole insect much more obviously hairy than either.

Length,  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{3}{4}$ .

Described from one example obtained at Woodhill, near Helensville (Auckland).

## Group—COCCINELLIDÆ.

## Scymnus (p. 645).

1446. *S. sedatus*, n.s. Sub-oviform, moderately convex, nude, shining; variegate, ground-colour smoky-brown, with irregularly-formed testaceous marks; legs, antennæ, and palpi yellow.

*Head* moderately finely punctated, dilute in front. *Prothorax* transversal, sides and base finely marginated, obtusely rounded and narrowed towards the front, the base broadly but slightly lobed at the middle, sinuated towards the sides, hind angles not acute; its punctation rather finer than that of the head, with a fine linear impression just in front of the base, its sides and anterior angles more or less testaceous. *Scutellum* triangular. *Elytra* convex, sub-oblong-oval, with distinct lateral rims becoming obsolete behind, broader than thorax, moderately closely punctured and somewhat rugose; the testaceous marks irregular, one on each elytron behind the middle and near the suture sub-lunate, not touching its fellow, the others indefinite, sometimes suffusing most of their surface. *Legs* stout, pubescent. *Antennæ* shorter than head and thorax, their basal articulation stout; second shorter and more slender, yet quite stout; third longest, slender, sub-cylindric; fourth and fifth about equal,

longer than broad, and, conjointly, longer than third; joints 6-8 decrease in length; club large, sub-oblong, terminal joint largest. Tarsal *claws* thickened at base. Maxillary *palpi* with the terminal joint securiform. Not agreeing very well with *Scymnus*.

Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{3}{4}$ .

Mr. Meinertzhagen sent me a couple of specimens from Waimarama, Napier.

1447. **S. villosus**, *n.s.* Variegate; the middle of the thorax, a large triangular basal space, and other portions of the elytra castaneofuscous, the rest of the body testaceous, legs and antennæ yellowish, rather densely clothed with long greyish hairs.

*Head* moderately punctured. *Prothorax* finely and not closely punctated. *Scutellum* broadly triangular. *Elytra* rather closely but not very coarsely punctured. *Underside* moderately punctured, bearing short greyish hairs, fuscous; the whole of the pronotum, the middle of the meso- and meta-sterna, and the last segment of the abdomen testaceous.

The elytra usually appear to be variegated-brown, with a large angulated spot extending from the shoulder to near the middle testaceous; the villosity is semi-erect, with a tendency to curl.

Length, 1 line; breadth,  $\frac{5}{8}$ .

Found in most parts of the North Island.

## Holopsis.

*Nov. gen.*

Body broadly oval, sub-hemispherical, convex, nude above.

*Antennæ* apparently nine-jointed, as long as thorax, basal joint robust, second elongate and almost oviform, third cylindric, shorter and more slender than the preceding one, the following three short and about equal; club tri-articulate. *Prosternum* much depressed at the sides: *mesosternum* short, almost linear, truncate; *meta-sternum* very large, plane, its edges truncate. Basal segment of *abdomen* large, widely separating the posterior coxæ, next three short, all with straight sutures. *Legs* stout; *tibiæ* arcuated externally and narrowed at the extremity; tarsal *claws* thickened or dentate at the base.

The genus belongs to the *Cranophorites*, and should be placed between *Oryssomus* and *Cranophorus*, having, like them, the head completely concealed by the anterior prolongation of the prothorax; the latter is not so broad as the elytra, and quite destitute of front angles, so that the margins form an uninterrupted curve from one posterior angle to the other.

1448. **H. nigellus**, *n.s.* Convex, very broadly oval, nude, shining blackish, the thoracic margins and humeral angles generally pale-testaceous, legs fusco-testaceous.

*Head* not immersed, invisible from above. *Pronotum* broader than long, finely marginated, its base sinuously rounded, the sides and front forming a regular curve, its surface minutely and remotely



punctured. *Scutellum* broadly triangular. *Elytra* with fine side rims, slightly wider than the thorax, their sculpture fine and shallow. *Legs* robust, bearing fine pallid hairs. *Underside* brownish; *metasternum* large, scored with exceedingly fine irregular lines; *abdomen* truncate between the coxæ, minutely reticulated, segments 2-4 short, each with a row of pale hairs, fifth more pubescent. *Antennæ* yellow, slender. *Club* three-jointed. *Claws* dentate at base.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{2}$ .

Habitat, North Island. Not uncommon.

1449. **H. pallidus**, *n.s.* Shining, testaceous, the middle of the thorax darker, legs and antennæ pale-yellow, seemingly destitute of pubescence, convex, broadly oval. *Underside* yellowish. Resembles *H. nigellus*.

Length,  $\frac{5}{8}$  line; breadth,  $\frac{1}{2}$ .

One example, Northcote, Waitemata Harbour.

1450. **H. lawsoni**, *n.s.* Glossy, nude, somewhat rufescent; thoracic disc brown, its margins testaceous; convex, broadly oval.

*Prothorax* minutely and distantly punctured. *Elytra* almost similarly sculptured.

The insect is rather smaller and narrower than the two preceding species, and the elytra are more distinctly punctated.

Length, quite  $\frac{1}{2}$  line; breadth,  $\frac{3}{8}$ .

I found this species at Whangarei Heads, and Mr. Thomas Lawson recently gave me a specimen labelled by the late Mr. G. R. Crotch, M.A., *Coccinella lawsoni*. I have retained the specific appellation, but the insect has little in common with *Coccinella*.

NOTE.—Page 650, genus *Cranophorus*, last line: read “tarsi with simple claws,” not “single.”



# NEW ZEALAND COLEOPTERA.

## PART IV.

### Group—CICINDELIDÆ.

#### *Cicindela* (p. 1).

1451. **C. campbelli**, *n.s.* Sub-depressed, sub-oblong; legs and antennæ bright aeneous, elytra variegate, head and throat cupreous, and, like the underside, bearing many white bristles.

*Head* densely, finely, and rugosely sculptured; labrum testaceous, with rounded angles, its middle part obtusely produced, with an acute median tooth. *Prothorax* transversely impressed near the base and apex, with a fine dorsal groove, its sculpture similar to that of the back part of the head. *Elytra* oblong, widest behind; each elytron emarginated at the apex, with a sutural spine not protruding beyond the extremity: the whitish band proceeds from the shoulder but a short distance, and is then obliquely prolonged inwardly to the middle, from thence it is continued nearly to the extremity; the lateral stripe is distinct from the humeral one, and is continued right round to the suture, sending forth a narrow band to unite with the central one, and is also prolonged inwardly from the outer part of the apex, thus insulating a narrow oblique space before the middle and a much larger longitudinal one behind: there are no tubercles on their surface, but they have the usual sutural row of green foveoles and others near the shoulders and sides.

Allied to *C. perhispidæ*.

Length, 4-5 lines; breadth, 1 $\frac{3}{4}$ .

Three individuals were caught at Waikato Heads by Mr. W. D. Campbell, of Ponsonby, Auckland; they are terribly mutilated, and covered with particles of sand and the entrails of some soft-bodied creatures that had been placed in the collecting-bottle with them. It has been a difficult matter to determine the coloration.

### Group—CNEMACANTHIDÆ.

#### *Mecodema* (p. 7).

1452. **M. venator**, *n.s.* Elongate, somewhat convex; glossy pitchy-black, legs piceo-rufous, tips of palpi dilute in colour.

*Head* a little constricted behind the eyes, and on that part rugose-punctate; the occiput transversely, and its sides longitudinally, wrinkled. *Prothorax* cordate, broadly rounded laterally, very much



and abruptly contracted behind, its posterior angles rectangular, lateral rims strongly crenate; disc striated across, most distinctly near the sides, with a few abbreviated longitudinal striæ in front, median groove expanded at the extremities, basal fossæ deep, close to the angles. *Elytra* oviform, elongate, with irregular sculpture; each elytron having two sutural rows of rather small, not very regular, punctiform impressions, two more beyond, the outer sometimes confounded with the lateral sculpture, consisting of series of cavities which often become confluent, so that the small smooth lateral space is much encroached upon and narrow; there are a number of fine aciculate marks on their surface. *Underside* black, the head transversely and closely lineated; flanks of the sternum more or less rugose-punctate, sides of the abdomen with fewer punctures.

Allied to *M. crenicolle* and *M. crenaticolle*.

Length, 13 lines; breadth,  $4\frac{1}{2}$ .

I have one example only. A second, measuring  $11\frac{1}{2} \times 3\frac{3}{8}$ , may be considered a varietal form; the elytra are marked all over with linear impressions, causing them to appear closely wrinkled. Both were taken by Mr. T. F. Cheeseman, F.L.S., at the Wangapeka Valley, Nelson.

### Metaglymma (p. 10).

1453. *M. æneoniger*, *n.s.* Elongate, medially narrowed, moderately convex, bearing some long ferruginous hairs; glossy, bronzed-black, antennæ and tarsi rufo-piceous, tips of the palpi reddish.

*Head* uneven, constricted and rugose-punctate behind the eyes; there are two or three deep wrinkles near each eye, a few irregular ones between these, and several longitudinal grooves on the epistome; labrum with rounded angles and emarginate in front; eyes prominent. *Prothorax* with sub-crenulate lateral rims, not much rounded, suddenly contracted behind, posterior angles obtusely rectangular, the anterior blunt; its surface exhibits a few transverse striolæ, a fine median furrow, some frontal abbreviated longitudinal striæ having a tendency to become rugose-punctate towards the angles, several similar marks on the base, and the usual basal fossæ, rather deep, punctated inwardly, a few of the punctures extending towards the middle. *Elytra* elongate-oval; each with eight rows of punctures, the sutural neither close nor coarse, the outer coarser, the sculpture more confused posteriorly; the sides are rather smooth, having fewer punctures. *Underside* shining black; flanks of the sternum punctate-rugose, sides of abdomen more remotely sculptured; head densely but finely lineated across. Posterior tibiæ nearly smooth.

Comes nearer to *M. punctatum* than any other species.

Length,  $8\frac{1}{2}$  lines; breadth,  $2\frac{1}{2}$ .

Mr. T. F. Cheeseman was kind enough to give me one of the two specimens he found in the Wangapeka Valley, Nelson.

1454. **M. obtusum**, *n.s.* Black, not very glossy, legs piceous; the tarsi and three basal articulations of the antennæ dark-red, the remaining joints ferruginous; palpi rufescent, paler apically; body elongate, medially contracted, somewhat convex, with a few scattered hairs.

*Head* constricted and punctured behind the eyes, not quite smooth, with one or more curved impressions near each eye; the base of each jaw with a fovea-like depression encroaching on the edge of the epistome; eyes prominent. *Prothorax* about as long as broad, its margins entire, regularly but not strongly rounded laterally, posterior angles obtuse; basal fossæ deep and narrow, dorsal groove abbreviated; the surface has a few fine striolæ, most obvious on the middle; the front is more or less punctated, as is also the space between the basal foveæ. *Elytra* rather broadly oval, punctate-striate, the eighth striæ obsolete, the spaces beyond almost smooth, having only about six punctures on each. *Underside* black, trochanters rufous; head smooth, prosternum nearly so, mesoternum punctated.

The form of the thorax is peculiar, not cordate, almost quadrate, its sides regularly rounded, with a slight notch behind to indicate the position of the angles, which otherwise might be said to be obtusely rounded or even obsolete. The outer apex of the intermediate tibiæ not at all produced, posterior smooth. Its nearest ally, so far as can be determined at present, seems to be *M. dyschirioides*.

Length,  $5\frac{1}{2}$ –6 lines; breadth,  $1\frac{3}{4}$ –2.

I have seen four individuals, all taken by Mr. S. W. Fulton on Mount Maungatua, Otago.

## Group—ANCHOMENIDÆ.

### *Anchomenus* (p. 20).

1455. **A. lucifugus**, *n.s.* Broad, sub-oblong, sub-depressed; head and thorax shining black, hind-body smoky-black, legs rufopiceous; three first articulations of the antennæ piceo-rufous, the remaining joints, as well as the tarsi and palpi, ferruginous.

*Head* oviform, slightly constricted behind the eyes, and, except the frontal foveæ, quite smooth; eyes conspicuous; mandibles moderately elongate, rufescent; labrum nearly square, a little, but widely, incurved. *Prothorax* about as long as broad, apex slightly arched, base truncate, sides strongly and regularly rounded, gradually narrowed behind, posterior angles obtusely rounded; the median groove extends beyond the angulated frontal impression, and seems uncommonly broad; the depressed space near each hind angle is large, and from each proceeds a curved impression inside the marginal channel; lateral margins explanated and reflexed, disc with many transverse undulating striæ. *Scutellum* small. *Elytra* not greatly exceeding the thorax in breadth, but twice its length, widest before the middle, shoulders rounded, sides with reflexed rims and not much curved, rather abruptly sinuate-angustate behind, apices somewhat produced and, individually, obliquely emarginated at the extremity; each with eight almost crenate-punctate striæ besides the lateral groove; inter-

stices a little raised, impunctate. *Legs* rather stout; anterior *tarsi* simple, their first joint oblong and narrowed behind, the next two decrease and have rounded hind angles; fourth cordate; the three basal joints of the other pairs grooved at the sides.

The above characters will enable it to be easily recognized; all the New Zealand and foreign species I have seen are dissimilar.

♂. Length,  $8\frac{1}{2}$  lines; breadth, nearly 3 lines.

I took my specimen from under the bark of a large kauri log near the Waitakerei Railway-station.

Obs.—No. 42 is not a *Calathus*; it must be placed at the head of the *Anchomenii*, so as to become *A. deformipes*. The front tarsi of the male are narrow, but of the orthodox pattern: the description of the feet at p. 19, "Man. N.Z. Col.," applies to the female.

### **Tropopterus** (p. 27).

1456. **T. oxygonus**, *n.s.* Convex, ovate-oblong, somewhat contracted medially; shining, brownish-black, the sides of the thorax and elytra and the femora testaceous, antennæ and tibiæ testaceous-red, tarsi and palpi fulvescent, mandibles dark-rufous.

*Head* smooth behind, the inner grooves rather broad and shallow, the spaces between them and the sharply-defined ocular grooves broad and rather flat; labrum rufescent and slightly emarginated; eyes large, but not convex. *Prothorax* sub-quadrate, transversal, base and apex nearly truncate, anterior angles almost acute but not protuberant, the sides well rounded, moderately sinuate-angustate behind; the posterior angles rectangular and just perceptibly projecting; disc impunctate, but with several aciculate marks, dorsal groove not attaining the apex, basal foveæ narrow, almost sulciform. *Elytra* broader than thorax and twice its length, humeral angles rounded, sides regularly but not strongly curved, their margins distinct and explanate; each bears eight rather distantly and finely punctured striæ (besides the marginal), but becoming deeper posteriorly; interstices plane, the seventh a little elevated behind and curvedly prolonged to the apex.

The first three antennal joints are nude; the terminal joint of the labial palpi is almost as acuminate as the maxillary. The sutural striæ of the elytra are not recurved behind. The insect is less convex and more oblong than No. 61.

♀. Length,  $2\frac{3}{4}$  lines; breadth, nearly  $1\frac{1}{4}$ .

Mr. S. W. Fulton sent me one individual which he caught on Mount Maungatua, Otago.

### **Group—FERONIDÆ.**

#### **Trichosternus** (p. 31).

1457. **T. opulentus**, *n.s.* Sub-oblong, moderately convex; shining; tibiæ, tarsi, and palpi red, femora blackish, antennæ pitchy-red with the pubescent joints paler; head black, somewhat rufescent; thorax black tinged with brilliant green, red, and yellow, the aureate tints chiefly confined to the margins and



fossæ; elytra black tinged with red, marginal channels viridescent, rims red, underside glossy-black.

*Head* with the common frontal depressions, narrowed behind the eyes, these latter prominent. *Prothorax* cordate-quadrate, rounded laterally, a good deal, and sinuously, narrowed behind, posterior angles rectangular, not acute, apex widely incurved, base medially emarginated; its surface almost smooth, with a distinct dorsal groove not attaining base nor apex; large, deep, basal foveæ, almost duplicated near the hind angles. *Scutellum* scarcely striate. *Elytra* oblong-oval, broader than thorax, slightly sinuated near the apices, shoulders dentate; each with seven finely-punctured discoidal striæ; interstices convex, impunctate, marginal sculpture irregular behind. *Legs* of moderate length; posterior *tibiæ* terminating inwardly in a stout calcar-like process, the basal joint of the *tarsi* laterally compressed. *Antennæ* reaching to just beyond the base of the thorax, their three first articulations nude, third and fourth compressed.

♂. Length, 11 lines; breadth,  $3\frac{3}{4}$ .

♀. Hind angles of *thorax* not prominent; *elytra* broader, less convex, less narrowed but more obviously sinuated posteriorly, with plane interstices, the fifth broadest, the striæ narrow, the intermediate pairs confluent behind. Hind *tibiæ* without terminal process, but spinose; the basal joint of the *tarsus* as well as the third and fourth antennal joints compressed.

A beautiful insect, whose only near ally is *T. putus*. Its discovery and examination lead to the supposition that No. 1331 will prove to be the female of *T. putus*.

Found by Mr. T. F. Cheeseman, F.L.S., in the Wangapeka Valley, Nelson.

1458. **T. waihourensis**, *n.s.* Oblong, moderately convex; glossy; antennæ, palpi, and legs reddish-black, tips of the palpi dilute; above tinged with red and green, underside black.

*Head* bi-impressed in front, slightly contracted just behind the eyes, these latter prominent. *Prothorax* transverse, quadrate, rounded laterally, considerably and sinuously narrowed posteriorly, hind angles rectangular, not projecting, apex moderately incurved, base emarginated, its surface very finely striated across, discoidal furrow distinct; basal fossæ large, simple, united by a shallow depression. *Scutellum* black, striate at base. *Elytra* oblong-oval, humeral angles prominent, rather abruptly narrowed apically; each with a short scutellar and seven dorsal, finely yet distinctly punctated, striæ; interstices somewhat convex, the third with three, the seventh with four, hispid punctiform impressions; marginal sculpture normal.

Larger and broader than *T. fultoni*; distinguished from No. 1332 by having protuberant shoulders, &c.

♂. Length,  $11\frac{1}{2}$  lines; breadth,  $3\frac{3}{4}$ .

We are indebted to Mr. Sydney W. Fulton, of Outram, for the discovery of this species at Waihoua, Bruce County, Otago.

1459. **T. monticola**, *n.s.* Shining, greenish above, black

beneath, the head and elytral interstices somewhat blackish, legs and antennæ rufo-piceous, palpi rufescent, paler at the extremity; oblong, moderately convex.

*Head* of moderate size, with the usual frontal impressions, more or less marked with fine irregular striæ; eyes convex. *Prothorax* transversely quadrate, base and apex incurved, the sides rounded, sinuously narrowed behind, posterior angles rectangular, not projecting; basal fossæ large, united by a depression, median groove well-marked, terminating in the more or less obvious curved frontal impression; disc smooth or nearly so. *Scutellum* striate at base. *Elytra* oblong-oval, humeral angles distinct, moderately sinuated behind; their seven punctulated dorsal grooves distinct; the intervals but little elevated, the third with three, the seventh with several large hispid punctures; marginal sculpture similar to that of the other species.

Differs from *T. waihouensis* in coloration, in the sides of the thorax being less abruptly and altogether less contracted posteriorly, and in the elytral striæ being finer. It is larger than, and otherwise different from, *F. fultoni*, and quite distinct from No. 71 and its congeners.

Length,  $10\frac{1}{2}$ –11 lines; breadth,  $3\frac{1}{2}$ .

Found on Mount Maungatua, Taieri, by Messrs. S. W. Fulton and T. Chalmer, at an elevation of some 3,000ft.

1460. **T. æruginosus**, *n.s.* \* Oblong, moderately convex; black, tinged with bright bluish-green, the latter colour most conspicuous on the depressed parts; legs and antennæ pitchy-red, underside black.

*Head* rather narrow, frontal impressions not very deep, bearing many very fine irregular linear marks behind, more rugose in front; eyes prominent. *Prothorax* transversal, quadrate, base and apex arcuated, not at all strongly rounded laterally, sinuously narrowed behind, posterior angles slightly projecting; the dorsum bears some feeble linear impressions, a well-marked median groove, and basal foveæ. *Scutellum* blackish, its base striated. *Elytra* sub-oblong, wider behind than in front, but little curved laterally, moderately sinuated apically, their shoulders dentate; each with the usual scutellar and seven finely-punctured discoidal striæ; interstices nearly plane, the third with three, the seventh with four, hispid punctures besides the common marginal sculpture; fifth interstices widest. Antennæ and legs according with the orthodox pattern.

Distinguished from *T. monticola* and *T. waihouensis* by its colour, by the sides of the thorax being less curved, but with more protuberant posterior angles; the wing-cases are less oviform, with less distinctly punctated striæ and much flatter intervals.

♂. Length,  $10\frac{1}{2}$  lines; breadth,  $3\frac{3}{4}$ .

My specimen was caught on Mount Maungatua by Mr. Sydney W. Fulton.

1461. **T. asperatus**, *n.s.* *Body* rather narrow, sub-depressed, æneous, legs rufo-piceous; tarsi, antennæ, and palpi rufescent,

*Head* rugulose anteriorly, finely and irregularly lineated behind; eyes prominent. *Prothorax* moderately convex, quadrate, base and apex arcuated, its sides moderately well rounded, sinuated towards the rectangular, but slightly protuberant, posterior angles; its basal fossæ large, the dorsal furrow extends from base to apex, it has an indistinct rounded depression near each anterior angle, and its whole surface is more or less finely and irregularly striated. *Scutellum* feebly furrowed. *Elytra* rather long, scarcely broader than thorax, their sides but little curved, with dentate shoulders and distinct apical sinuities; their sculpture is irregular, consisting of punctulated striæ, slightly convex interstices covered with transversal aciculate impressions, the third, fifth, and seventh with three or more large punctures, the second, fourth, and sixth narrower than the others. The thorax somewhat resembles that of *T. monticola* in shape, but the hind-body is narrower, and the elytral sculpture is altogether different from that of any other known species of the genus.

♂. Length,  $10\frac{1}{2}$  lines; breadth,  $3\frac{1}{4}$ .

I am indebted to Mr. S. W. Fulton, of Outram, for the only example I have seen. It was found on Mount Maungatua.

1462. **T. chloris**, *n.s.* Elongate-oblong, moderately convex, glossy, except the blackish head and red limbs; almost wholly green, parts of the mouth and trochanters rufescent. Underside shining black.

*Head* smooth, bi-impressed in front; eyes prominent. *Prothorax* quadrate, not much broader than long, but little rounded laterally, and only slightly and hardly sinuously narrowed towards the rectangular posterior angles; its surface smooth, with large basal fossæ, an entire dorsal groove, and a few obsolete longitudinal striæ near the base and apex, both of which are incurved. *Scutellum* blackish, nearly smooth. *Elytra* convex, sub-oblong, widest behind the middle, shoulders dentate, sinuated posteriorly; each with seven distinct finely punctured dorsal striæ; interstices moderately convex, the third with three, the seventh with about six, large punctures.

This species, so far as regards the thoracic outline, makes a near approach to *T. planiusculus*, but the eyes are prominent and the cheeks not dilated just behind them as in that species. The form of the hind-body is somewhat like that of *T. aucklandicus*.

♂. Length,  $9\frac{3}{4}$  lines; breadth,  $3\frac{1}{4}$ .

The only exponent of this species was taken by Mr. S. W. Fulton on Mount Maungatua, Otago.

1463. **T. grassator**, *n.s.* Shining æneous, the more elevated parts blackish tinged with red; legs and antennæ dark-red; body oblong and moderately convex

*Head* rather narrow, nearly smooth, bi-foveolate in front; mandibles wrinkled; eyes prominent. *Prothorax* quadrate, with rounded sides, sinuated but not much narrowed behind, posterior angles rectangular; basal foveæ large, the interval between them



depressed; dorsal groove distinct, the curved apical impression shallow; there are a few discoidal aciculate marks. *Scutellum* striate at base. *Elytra* oblong, but little curved laterally, strongly and sinuously narrowed apically, shoulders protuberant; punctulate-striate, interstices a little elevated, the second, fourth, and sixth narrow, the third and seventh with three or more large punctures, all slightly uneven.

Intermediate between *T. waihouensis* and *T. asperatus*; the thorax, however, more gradually incurved behind than in the former, and the wing-cases essentially different. From the latter species it is distinguished by its broader form, broader, more convex, and differently sculptured elytra, &c.

♂. Length, 10 lines; breadth, 3½.

My specimen was found at Waihola, Otago, by the same gentleman who found *T. waihouensis*.

1464. ***T. patruelis***, *n.s.* Sub-oblong, moderately convex; shining, dark bluish-green; legs and antennæ dark-red, tips of the palpi dilute, inferior surface black.

*Head* moderately large, forehead bi-impressed; its front part and the mandibles rugulose, the other parts with fine, irregular linear marks; eyes convex. *Prothorax* quadrate, not much broader than long, its sides not greatly curved, and only slightly narrowed behind, with its rectangular posterior angles not in the least projecting; the large basal foveæ are united by an obvious depression; the median groove is distinct and not abbreviated; the arched frontal impression is well marked, and its whole surface is finely and rather closely reticulated. *Scutellum* striate at base. *Elytra* sub-oblong, widest behind, humeral angles prominent, feebly sinuated apically; their seven dorsal striæ are distinct and finely punctured, interstices somewhat elevated and becoming uneven posteriorly, the third and seventh with three or more large hispid punctures.

Related to *T. chloris*; rather shorter and more oblong, less glossy, the thorax of nearly the same shape, but differently sculptured, and depressed near the base.

♂. Length, 9½ lines; breadth, 3¼.

Another of the numerous discoveries made on Mount Maungatua by Mr. Fulton. One male is all I have seen.

1465. ***T. fusulus***, *n.s.* Oblong, rather broad and flat, smooth, shining, black; the elytral margins and thoracic base reddish; legs and antennæ dark-red, palpi paler.

*Head* moderately large, uneven in front, bi-impressed; mandibles wrinkled; eyes prominent. *Prothorax* broad, rather short, its sides strongly rounded, but rather gradually contracted behind; posterior angles rectangular, not protuberant; basal foveæ moderate, with a curved impression intervening, discoidal furrow continuous and well marked, with an impression near each anterior angle, otherwise smooth. *Scutellum* striate at base. *Elytra* oblong, widest behind the middle, sinuously narrowed posteriorly, shoulders dentate; each with seven fine, finely-punctated dorsal grooves, the intervals

between them plane or nearly so, the third and seventh with large punctures, the marginal sculpture not differing materially from that of previously-described species. *Underside* glossy black.

This species, owing to its short broad thorax and finely-grooved wing-cases, with flattish interstices, presents a striking contrast to nearly all the described *Trichosternii*.

♂. Length,  $10\frac{1}{4}$  lines; breadth,  $3\frac{3}{4}$ .

This individual was captured on Maungatua by Mr. S. W. Fulton.

1466. **T. cephalotes**, *n.s.* Viridescent, shining; legs piceous; tarsi, antennæ, and palpi piceo-rufous; black below.

*Head* uncommonly large, including the eyes almost as broad as the thorax but decidedly longer than it, with two frontal foveæ, but otherwise perfectly smooth, and of a glossy green. *Prothorax* quadrate, convex, apex arcuated, base slightly so, its sides not greatly curved except at the anterior angles, gradually narrowed and just perceptibly sinuated behind; posterior angles quite rectangular, not projecting; with a distinct dorsal groove terminating in the shallow curved frontal impression; basal fossæ large, with an intervening depression, and having a few aciculate marks on the middle. *Scutellum* black, scored with short grooves. *Elytra* convex, sub-oblong, widest behind, narrowed anteriorly, moderately rounded laterally, sinuously narrowed apically, humeral angles not very protuberant; the discoidal furrows, except the sutural, rather deep and finely punctured, interstices convex, the third and seventh with three or more large punctures, eighth smooth, bordered by the usual row of catenulate punctures, having an outer, somewhat interrupted stria, and a line of elongate impressions close to the rim, which becomes obsolete behind. *Legs* normal.

The large head, in conjunction with the almost uniform bronzed-green colour of the surface, seems to differentiate this species from all but *T. capito*, which should have large punctures between the fourth and fifth striæ.

♀. Length,  $10\frac{1}{2}$  lines; breadth, quite  $3\frac{3}{4}$ .

A single female is all I have seen. It was taken on the range near Wellington by Mr. P. Stewart-Sandager.

1467. **T. vagans**, *n.s.* Narrow, slightly convex, glossy black; legs and antennæ piceo-rufous, underside black.

*Head* rather small, not very broad, with shallow frontal foveæ, otherwise smooth; eyes prominent. *Prothorax* convex, apex incurved and ciliated, transversal, strongly rounded laterally and considerably sinuated behind, posterior angles rectangular (though appearing more prominent than they really are), base medially arcuated; basal fossæ moderate, united by a shallow impression, discoidal groove narrow but somewhat expanded behind, the surface with many very fine undulating striæ. *Scutellum* striate at base. *Elytra* oblong-oval, regularly rounded laterally, obviously sinuously narrowed apically, humeral angles dentiform; each with a short scutellar and eight punctated striæ, the two sutural rather fine,



interstices plane, except behind, the third with three, fifth with two, and seventh with at least four punctures. Flanks of mesosternum punctulated.

The strong and regular curvature of the sides of the thorax from the anterior angles to within a short distance of the base, and the short sinuosity just before the hind angles, cause these latter to seem somewhat protuberant. With the exception of the limbs, &c., the insect is almost wholly black. The elytral sculpture becomes uneven posteriorly.

♀. Length, 9 lines; breadth, 3.

Habitat, Mount Maungatua, Otago. Another result of Mr. S. W. Fulton's researches.

### **Holcaspis** (p. 37).

1468. **H. mucronata**, *n.s.* Oblong, medially narrowed, head and thorax large in proportion to the hind-body, slightly convex, glossy black above and below; tarsi and palpi rufescent; the four basal articulations of the antennæ piceous, the others ferruginous.

*Head* oviform, smooth, frontal foveæ rather shallow and rugulose; eyes prominent, their orbits dilated; mandibles wrinkled and tinged with red. *Prothorax* as long as broad, or nearly so, sub-cordate, a little incurved in front, anterior angles rounded, from thence the sides are nearly straight, being just perceptibly curved, but near the base are rather abruptly and sinuously contracted; hind angles rectangular, base arcuated; dorsal furrow distinct, abbreviated, and a little widened at the extremities, basal fossæ moderately large; obsoletely impressed near the front angles, with a row of marginal punctures having ferruginous bristles proceeding from them. *Scutellum* striate at base. *Elytra* sub-oblong, relatively short, with a silky sheen, narrowed towards the base, sinuated posteriorly, humeral angles slightly protuberant; each with seven discoidal, rather irregularly punctated striæ and a series of marginal punctures; interstices a little elevated, uneven behind, the third, fifth, and seventh broadest. *Legs* robust, the posterior *tibiæ* flexuose and inwardly produced as a stout spiniform process; the outer extremity terminates in a spine, and below the inner one the usual elongate calcar protrudes; the *femora* are strongly dilated, medially dentate, and deeply hollowed for the reception of the trochanters.

♂. Length, 7-7½ lines; breadth, 2½.

I found two males on the Waitakerei Range, Auckland.

1469. **H. hybrida**, *n.s.* Shining, black; tarsi, palpi, and pubescent joints of the antennæ red; sub-oblong, moderately convex.

*Head* moderate, frontal foveæ rather shallow; eyes convex. *Prothorax* about as long as broad, anterior angles rounded, sides slightly and regularly curved, gradually narrowed from the middle, but more suddenly just before the hind angles, which are obtusely rectangular; its disc smooth, the central groove extending from the basal margin to the apex, basal fossæ moderately large and sub-



sulciform. *Scutellum* striated at the base. *Elytra* oblong-oval, rather abruptly sinuate-angustate behind, humeral angles distinct but not protruding; they are striated; some of the grooves are irregularly interrupted, so that the sculpture might almost be termed punctate-striate, interstices nearly plane except behind, the fourth narrow, third and fifth broadest. *Legs* stout, hind thighs dilated, the trochanteral groove terminating angularly but not dentate, tibiae bent.

♀. Hind legs less developed, tibiae bent, thorax slightly strigose.

A species allied to *H. pellax*, but having flexuous tibiae; the frontal thoracic impression is obsolete, but there is a rounded depression near each front angle.

♂. Length,  $6\frac{1}{2}$  lines; breadth,  $2\frac{1}{2}$ .

The pair I possess were taken from below a log at Tuakau (Wai-kato).

1470. **H. præcox**, *n.s.* Sub-parallel, slightly convex; shining black, the tarsi and four basal joints of the antennæ piceous, remaining joints ferruginous, palpi rufo-piceous but paler at the tips.

*Head* oviform, a little narrower than thorax, with the common H-shaped frontal impression; labrum incurved, with a row of punctures near its edge. *Prothorax* sub-quadrate, a little arcuated in front, more deeply at the base; sides broadly rounded and gradually narrowed posteriorly, with a slight sinuosity close to the rectangular angles; discoidal furrow distinct, terminating in fovea-like expansions, frontal curved impression shallow; basal fossæ deep, simple, and rather large. *Scutellum* grooved at the base. *Elytra* oblong-oval, but little broader than thorax, rather suddenly narrowed apically; punctate-striate, the punctation rather fine but the striæ moderately deep, and here and there, yet not often, slightly interrupted, the sculpture becoming uneven behind; interstices simple. *Underside* black, mesosternum finely punctate. *Legs* robust, pitchy-black.

Allied to *H. pellax*, but larger, and otherwise different.

♂. Length,  $7\frac{1}{4}$  lines; breadth,  $2\frac{3}{8}$ .

Collected near Wellington by Mr. P. Stewart-Sandager, who sent me one mutilated male.

### **Pterostichus** (pp. 37, 44).

1471. **P. procerulus**, *n.s.* Black, shining, legs nigro-piceous, tarsi and antennæ rufo-piceous; palpi rufescent, paler at the extremities.

*Head* moderate, slightly bifoveate, finely wrinkled near the sides; eyes prominent. *Prothorax* somewhat broader than long, sides rounded anteriorly, from the middle gradually narrowed towards the rectangular hind angles, apex a little incurved, base medially arcuated; basal fossæ large, simple, median groove well defined, not attaining the front margin, its surface obsoletely striated across. *Scutellum* scored at base. *Elytra* elongate, oblong-oval, regularly but moderately curved laterally, with scarcely any apical sinuosity,

shoulders dentate; each elytron with eight finely-punctured striæ and the marginal duplicated from behind the posterior femora; interstices plane, simple. *Legs* normal.

♀. Thorax rather more sinuated near the hind angles, elytra widest behind.

No insect of equal size has such fine regularly-impressed striæ on the wing-cases; the scutellar striæ are obsolete.

♂. Length,  $9\frac{1}{2}$  lines; breadth, 3.

Another of Mr. Fulton's captures on Mount Maungatua, Otago. I have but one of each sex, mutilated.

## Group—BEMBIDIIDÆ.

### *Bembidium* (p. 55).

1472. *B. nesophilum*, *n.s.* Elongate-ovate, somewhat convex; glossy, the whole surface very finely shagreened; head and thorax brilliantly brassy-æneous; a large discoidal space on the wing-cases, furcate in front and lobed towards each hind-leg; obscure-æneous, the rest of their surface testaceous; antennæ, save the three basal articulations, infusate, the palpi of a similar hue; legs pale-yellow, in some examples darker.

*Head* moderately broad, obsoletely lineated, the frontal foveæ moderately broad and deep. *Prothorax* cordiform, with distinct rims, anterior angles scarcely rounded; the sides broadly rounded and considerably narrowed behind, base truncate in the middle, but obliquely curved laterally towards the rectangular angles; it exhibits an indistinct curved frontal impression, a fine dorsal groove, and a few fine striæ; the basal foveæ, situated close to the angles, are united by a depression. *Elytra* elongate-ovate, widest in front, straight or just visibly incurved near the middle, and afterwards gradually narrowed; punctate-striate, the punctures distinct but disappearing in line with the hind thighs; the striæ are well marked, do not reach the base, and the intermediate become shallow behind, the three sutural and the lateral are deeply impressed at the apices; interstices but little elevated, the third tripunctate. The *antennæ* and palpi bear grey hairs.

♂. The two basal joints of the front tarsi prolonged inwardly.

Belongs to the same group as *B. anchonoderum*, but may be readily distinguished by the coloration, &c.

♂. Length, 2 lines; breadth,  $\frac{3}{4}$ .

Discovered by Mr. W. D. Campbell, of Ponsonby, Auckland, on one of the small islands of the Lower Waikato.

1473. *B. tantillum*, *n.s.* Shining, blackish-blue, legs and antennæ piceous, palpi blackish; body elongate-ovate and slightly convex.

*Head* nearly smooth, frontal foveæ moderately deep. *Prothorax* cordiform, broadly rounded laterally, rather abruptly and considerably contracted behind, posterior angles rectangular; its surface smooth, median line distinct, basal foveæ moderate. *Elytra* oblong-oval, their sides regularly but not strongly curved; punctate-striate, interstices simple and nearly plane.

♂. Two basal articulations of the anterior tarsi produced inwardly.

Allied to *B. eustictum*, differing from it in having the elytral sculpture finer and their interstices impunctate; the sutural striæ attain the apices, and are there recurved, the marginal being sunk in a broad groove behind; an oblique space extending from the middle of the side to the apex is almost smooth. The head and thorax are broader, the latter being much less curved laterally.

♂. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$ .

Mr. T. F. Cheeseman brought me a specimen from the Wangapeka, Nelson.

### Group—PERICALIDÆ.

#### Scopodes (p. 67).

1474. *S. levistriatus*, *n.s.* Glabrous, deep glossy-black, smooth, moderately narrow, widest behind, subdepressed, legs and antennæ black.

*Head* obsoletely strigose; eyes large and prominent. *Prothorax* cordate, the sides angulated, but not acutely, before the middle, from thence obliquely rounded anteriorly, the posterior narrowing not sinuous; the lateral rims are narrow but distinct behind the middle, and, instead of forming the angles, are bent inwardly and become quite obsolete near the centre of the base; its surface is finely and irregularly strigose, the median groove and apical impression are tolerably well marked, and the base transversely depressed. *Elytra* a good deal distended behind, their shoulders narrow and rounded, and the apices individually obliquely truncated; their striæ are quite superficial, often quite obsolete, and the three foveæ on each elytron rather small.

The species can be easily identified, being allied to *S. lævigatus*, but the thorax is narrower, cordiform, and quite perceptibly angulated laterally before the middle, the posterior angles are obsolete, and the rims narrow and not reflexed.

Length,  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{3}{4}$ .

Habitat, Wangapeka Valley, Nelson. Mr. T. F. Cheeseman brought me one specimen, minus a leg.

### Group—PSELAPHIDÆ.

#### Startes.

#### *Nov. gen.*

Maxillary *palpi* robust, longer than head, basal joint minute, second elongate and gradually incrassated, third small, fourth elongate, slightly longer than second, ovate. *Head* produced anteriorly so as to form a quadrate muzzle, narrowed behind. *Antennæ* distant from each other, their tubercles not prominent. *Prothorax* cordiform. *Elytra* considerably narrowed towards the base. Basal segment of *abdomen* two-thirds the length of elytra, second shorter, the others deflexed, all marginated. *Antennæ* 11-articulate. *Claws* single.

The insect for which this genus is formed resembles a *Pselaphus*,



but the structure of the palpi and antennal tubercles is on the *Bryaxis* pattern; the former, however, are far too large for that genus and with an acuminate terminal joint. The genus should precede *Bryaxis*.

1475. **S. sculpturata**, *n.s.* Pubescent, moderately shining, dark-red, palpi fulvo-rufous, tarsi yellow, convex.

*Head* sub-ovate; antennal tubercles not prominent, flat, not contiguous; with two rather large foveæ on the vertex prolonged forwards and almost confluent in front. *Prothorax* short, convex, cordiform, not longer than broad, its base finely margined; with a small median fovea close to the base, and a larger one at the middle of each side, obsoletely punctate. *Elytra* short, broader but not much longer than thorax, widest behind, indistinctly punctulated, clothed with longish yellow hairs; each with a rather broad sutural stria deepest at the base, and another similar one beyond, not extending beyond the middle. *Hind-body* indistinctly punctured, clothed with yellowish hairs. *Legs* moderate, simple; basal joint of the *tarsi* small, second and third elongate, with one claw. *Antennæ* stout and elongate, bearing yellow hairs; basal articulation not much longer than second, joints 3-8 gradually decrease in length, eighth transverse; ninth transverse, not twice the width of its predecessor; tenth broader than long, nearly twice as large as the ninth; eleventh largest; ovate.

(♀?) Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

One of my recent captures on the Waitakerei Range.

### **Bryaxis** (p. 124).

1476. **B. glabrata**, *n.s.* Castaneo-rufous, shining, almost nude, legs paler, palpi and tarsi fulvous; convex, rather narrow.

*Head* deflexed in front, antennal tubercles moderate, without any intervening depression, vertex plane, bi-foveolate. *Prothorax* a little longer than broad, dilated medially, base very finely margined; its surface smooth, with a rounded fovea near each posterior angle, and an obsolete impression between them. *Elytra* about one and a half times longer and broader than thorax, their greatest width before the middle, without distinct sutural striæ or other sculpture, and bearing only a few very fine, pallid hairs. *Hind-body* short, with a few short brassy hairs. *Legs* slender, middle tibiæ straight, the hind pair bent and thickened near the extremity. *Antennæ* stout and elongate, pubescent; basal articulation cylindric, stout, not twice the length of second, the latter oblong and as stout as first; joints 3-5 sub-equal, the fifth rather broader but shorter than third; sixth broader than the preceding; seventh and eighth transverse, the latter obliquely truncate at base; ninth largest, longer than broad, broadly rounded on the inside, deeply emarginated externally; tenth about half the size of its predecessor, ovate-conical; the five terminal joints punctate.

Allied to *B. micans* rather than to *B. dispar*, smaller and narrower, not obviously pubescent, and differing in antennal structure, &c.

♂. Length,  $\frac{5}{8}$  line; breadth, nearly  $\frac{1}{4}$ .

I obtained my specimen at Woodhill, near the Kaipara Railway.

1477. **B. nemoralis**, *n.s.* Convex, not narrow, the hind-body (including wing-cases) sub-quadrate, nearly nude, having only a few inconspicuous hairs; shining, dark-red, tarsi fulvous.

*Head* nearly square behind, antennal tubercles raised but flattened above, the interval depressed, vertex bi-foveolate. *Prothorax* rather longer than broad, dilated laterally, very finely margined at base, without impressions. *Elytra* one and a half times longer than, and nearly twice the breadth of, the thorax, the sides but little curved; their sutural striæ not very evident, with a few very fine, longish grey hairs besides some smaller ones near the base, none, however, easily discernible; destitute of distinct sculpture. *Hind-body* short, apparently impunctate, clothed with short yellow hairs. *Antennæ* stout, bearing yellow hairs; basal joint not greatly exceeding the second in length, punctate; second oblong, scarcely as broad as the first; joints 3-6 not greatly differing in bulk, third longest, sixth broadest; seventh quadrate, distinctly larger than the preceding one; eighth transverse, half as broad again as the seventh; ninth large, sub-oblong, obliquely truncate at apex; tenth ovate-conical, quite as broad and about as long as the ninth; joints 2-6 smooth, the others distinctly sculptured.

Comes near Nos. 236 and 239.

♂. Length,  $\frac{5}{8}$  line; breadth,  $\frac{1}{4}$ .

I found one at Woodhill.

1478. **B. punctata**, *n.s.* Convex, moderately shining, dark-rufous, elytra paler, tarsi yellowish, sparingly clothed with short, decumbent, brassy hairs.

*Head* about the size of thorax, moderately coarsely and closely punctate; eyes prominent, coarsely faceted. *Antennæ* 11-articulate, pubescent, two basal joints stout, cylindric; joints 3-9 decrease in length, but become broader, the ninth being quite transverse; tenth about twice the bulk of ninth; eleventh largest, ovate, punctate. *Prothorax* as long as broad, widest at the middle, its sculpture similar to that of the head but more distant near the base, and with a fovea-like depression at each side. *Elytra* nearly double the size of thorax, narrowed towards the shoulders, apparently impunctate; sutural striæ not very deep, humeral region a little elevated, with two indistinct basal impressions. *Hind-body* deflexed, not broadly margined, its sculpture indefinite. *Legs* long and stout, posterior tibiæ bent near the extremity, and, on the inside, armed with a calcar-like process.

This is the only species known to me having the head and thorax distinctly punctured.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{3}{8}$ .

Habitat, Paparoa, near Howick.

1479. **B. calcarata**, *n.s.* Rufous, tarsi and palpi fulvous,



moderately shining, rather densely covered with short greyish hairs, convex.

*Head* sub-trigonal; antennal tubercles much flattened and indistinct, the space between them a little elevated and rather coarsely sculptured, and immediately behind it there is a somewhat triangular depressed space; vertex punctate and bi-foveolate. *Prothorax* scarcely longer than broad, cordiform, very finely punctured, with a median basal fovea and one on each side. *Elytra* broader than, and nearly twice the length of, the thorax, minutely punctured, their sutural striæ well marked. *Hind-body* finely punctate, its two basal segments as broad as the elytra. *Antennæ* moderate, 11-articulate; the two basal joints about equal in length, first the stouter, joints 3-9 of nearly the same length, third longest, ninth broadest and quite transverse, tenth broader than long, twice the width of the eighth, eleventh largest, sub-ovate, apparently appendiculate; they bear yellow hairs. *Legs* stout; anterior *tibiæ* almost straight; intermediate, along the outer edge, nearly straight to beyond the middle and arcuated towards the extremity, their inner edge incurved beyond the middle, and, just before the apex, furnished with a robust calcar; posterior flexuose. Maxillary *palpi* stout, not elongate, terminal joint rather thick.

It seems questionable whether No. 242 may not prove to be the female: should this actually prove to be the case, the name, *B. nasuta*, must be sunk as a synonym of *B. calcarata*.

This species is distinguished from all the *Pselaphidæ* known to me by the armature of the middle *tibiæ*.

♂. Length, quite  $\frac{5}{8}$  line; breadth, quite  $\frac{1}{4}$ .

I found two males of this curious little creature at Tuakau, Waikato.

### Sagola (p. 134).

1480. *S. terricola*, n.s. Shining, head and thorax dark-red, elytra and legs rufo-fulvous, hind-body and antennæ red.

*Head* with moderately-rounded hind angles, a deep groove between the antennal tubercles not extending beyond the middle of the eyes, a little expanded, but not foveate behind, and two foveæ on its back part; tubercles distinctly punctured; it is clothed with elongate, pale-yellow hairs. *Antennæ* normal, pilose. *Prothorax* cordiform, and, like the head, minutely punctated, with a large depression behind the middle, a much smaller one between it and each hind angle, and a large one at each side; its clothing like that of the head. *Elytra* about one and a half times longer than thorax, and much broader than it behind, finely punctured, each with a broad sutural stria deepest in front, and a deep elongate basal impression beyond; they are sparingly clothed with long yellowish hairs. *Hind-body* longer and broader than elytra, finely punctured, covered with yellow hairs, the first dorsal segment covered with minute, depressed brassy scales. *Legs* stout; front femora with a deep round notch near the base, the angles acute; *tibiæ* arched externally, the posterior less curved, but slightly bent at the extremity. Larger than Nos. 246-249.



Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$ .

I took two specimens on the Waitakerei Range.

### Group—SCAPHIDIDÆ.

#### *Bæocera* (p. 665).

1481. *B. rufipes*, *n.s.* Ovoid, convex, nude, glossy, rufescent, generally infuscate-red, sometimes pitchy; legs red, tarsi yellow; joints 1-6 of the antennæ testaceous, the others infuscate.

*Antennæ* elongate, first and second joints stout and about equal, 3-6 slender, fifth longer than sixth, seventh broader than eighth and equalling it in length. Maxillary *palpi* yellow, their terminal articulation elongate, conical, gradually acuminate. *Head* smooth. *Prothorax* without sculpture, its median lobe concealing, or almost covering, the scutellum. *Elytra* impunctate, of the same width as the thorax at the base but a little dilated laterally before the middle, the suture somewhat elevated posteriorly, the striæ quite obsolete near the base; the hind edges and pygidium rufo-testaceous. Last joint of the posterior *tarsi* longest, the basal not elongated. *Underside* smooth, pitchy-red, sparingly clothed with fine hairs.

In Redtenbacher's *Scaphisoma scutellare*, which is, I think, a *Bæocera*, the thoracic lobe does not wholly cover the scutellum; the present species is closely allied thereto, but the coloration and form are different, the contour being interrupted by the dilatation of the elytra. In *B. rufum* I fail to detect the scutellum; this remark also applies to *Scaphisoma apicella* and *S. actiosa*: the two latter might, perhaps, be more correctly located under *Bæocera*.

Length, 1 line; breadth, quite  $\frac{1}{2}$ .

Collected by Messrs. Chalmer and Fulton, Otago.

### Group—COLYDIIDÆ.

#### *Bitoma* (p. 192).

1482. *B. lobata*, *n.s.* Elongate-oblong, slightly convex, opaque, somewhat variegate, chiefly pitchy-brown; the sides of the thorax, the base and a broad longitudinal space on each elytron, obscure infuscate-red; legs and antennæ obscure rufo-testaceous, tarsi fulvescent.

*Head* moderate, narrowed behind, granulate. *Antennæ* with the two basal joints stout, third elongate, joints 3-9 slender, tenth strongly transverse, eleventh large, as broad as tenth. *Prothorax* as long as broad, uneven, its sculpture nearly similar to that of the head; the sides tri-lobed, the anterior largest, the basal minute; base rounded. *Elytra* oblong, with several rows of shallow punctures, interstices narrow and somewhat elevated; on the second punctate space appear a slight, elongate, basal elevation and four small nodules, and there are two or three others (nodules) on the top of the hind slope; they bear some short, dark-coloured and greyish setæ, not, however, very easily seen.

Somewhat similar to *B. rugosa*, but with the sides of the thorax lobed.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$ .

I found one at Woodhill, near the Waitakerei Range.

NOTE.—It is just possible that the name *Rhytinotus*, applied to No. 364, may be objected to as being too near *Rytinota*; the name *Edalus* is therefore substituted.

## Group—LATHRIDIIDÆ.

### Lathridius (p. 232).

1483. *L. bifoveatus*, *n.s.* Sub-oblong, sub-depressed, shining, sparingly clothed with minute grey hairs; head, thorax, base and margins of elytra, rufo-fuscous; legs and antennæ reddish, club infusate, tarsi fulvous.

*Head* as broad as thorax, more or less punctate, with two linear elevations extending from the base of the antennæ to the back part of the eyes; these latter large, prominent, with distinct facets. *Antennæ* as long as head and thorax, rather stout, basal joint large and swollen; second much smaller, not much longer but stouter than third; joints 3–6 moderately elongate and about equal, seventh and eighth nearly quadrate; club tri-articulate, pubescent, the middle joint transverse, the terminal largest. *Prothorax* longer than broad, marginated laterally, a little contracted before the base; uneven, with a deep basal depression appearing to consist of three transverse foveæ, a dorsal channel, and two median foveæ; punctate. *Scutellum* small. *Elytra* oblong, nearly twice the breadth and thrice the length of the thorax, finely marginated, humeral angles broadly rounded; with two depressions behind the base, each with eight or nine punctured striæ. *Legs* moderately long; *tibiæ* slightly arcuated externally; *tarsi* slender, shorter than *tibiæ*, basal joint shorter than second, the apical longer than the preceding two taken together.

May be easily separated from Nos. 409, 410, and 412 by the absence of elytral costæ.

Length,  $\frac{7}{8}$  line; breadth,  $\frac{3}{8}$  nearly.

Described from one example sent from Taieri by Mr. S. W. Fulton.

OBS.—White stated his *L. antipodum* (No. 409) was closely allied to Professor Nestwood's *L. nodifer*, which species seems to have been removed to a new genus (*Coninomus*), the characters of which are unknown to me. It is just possible that my *L. sculpturatus* may prove to be White's species, and, probably, synonymous with *Coninomus nodifer*. My specimen (No. 410) is remarkable for the dilatation of the hind *tibiæ*, with a deep notch at the inner extremity.

No. 413 must be removed to *Corticaria*.

1484. *L. castaneus*, *n.s.* Elongate, oblong, sub-depressed, moderately glossy, rufo-castaneous; *tibiæ*, *tarsi*, and antennæ testaceous; sparsely clothed with excessively minute yellow hairs.

*Head* not dilated laterally, sub-oblong, sides nearly straight, obsoletely bi-carinate, rather roughly sculptured; eyes small, not



prominent. *Prothorax* oblong, margined laterally, deeply sinuated or constricted behind the middle; uneven, with two indistinct dorsal costæ separating the deep transverse depression near the base into three parts, an elongate median depression, and a fovea near each side; its punctation similar to that of the head. *Scutellum* small. *Elytra* oblong, not twice the breadth, but thrice the length, of the thorax; each with four double rows of punctures, the suture and alternate interstices moderately acutely elevated, so that each elytron appears as if tri-costate.

Comes near No. 412, but much smaller and with less elevated elytral costæ. In *L. costulatus* (No. 412) the outer costa proceeds from the shoulder but becomes obsolete posteriorly, and in a specimen recently found on the Waitakerei Range the hind-body is nearly black.

Length,  $\frac{5}{8}$  line; breadth,  $\frac{1}{4}$ .

One mutilated individual, taken on the Waitakerei Range.

## Rethusus.

*Nov. gen.*

*Body* sub-ovate, slightly convex, roughly sculptured, sparsely pubescent. *Head*, including the eyes, as wide as the base of the thorax, with a quadrate muzzle. *Eyes* prominent, coarsely faceted, transversely oviform. *Antennæ* implanted at front angles of the head, 11-jointed, longer than head and thorax, basal joint stoutest, second smaller than first but much thicker than those which follow, joints 3-8 cylindrical, the eighth not much longer than broad, club laxly tri-articulate. *Prothorax* about as long as broad, medially dilated, constricted near the base. *Scutellum* rather large, almost semi-circular. *Elytra* oblong-oval, about twice the breadth and thrice the length of the thorax. *Legs* moderate, femora not clavate; *tibiæ* straight, gradually widened towards the extremity; *tarsi* stout, 3-jointed, the basal joint elongate and as long as the apical, second small, barely half the length of the first, its point of insertion about one-third from the base of that joint, so that the basal articulation is prolonged beyond the extremity of the second; *claws* well developed, strongly appendiculate at the base.

Differs from *Lathridius* and *Corticaria*, its nearest allies, in the remarkable tarsal structure, &c.

1485. **R. pictulus**, *n.s.* Shining, black or brownish-black, the legs and four or five spots in line with the posterior femora testaceous; the extremity of the latter, the base and apex of the tibiæ, and the tarsal joint infuscate; antennæ brownish, the joints sometimes varying in colour; sparingly clothed with elongate, slender, greyish-yellow hairs.

*Head* rather rough, punctate, dilated just behind the eyes, its muzzle nearly the same colour as the two basal antennal joints. *Antennæ* with longish, scattered, fuscous hairs. *Prothorax* as long as broad, a good deal dilated laterally just before, and constricted behind, the middle; base and apex, but not the sides, margined;



its surface uneven and rough, coarsely punctate, but showing two or three ill-defined, smooth dorsal spots. *Scutellum* nearly smooth. *Elytra* large, two times broader and three times longer than thorax, shoulders obtuse, sides a little rounded, narrower in front than behind; not depressed, uneven, their sculpture consisting of punctures, elongate and rounded elevations of an irregular character but without distinct costæ. *Legs* pubescent.

It may be at once distinguished from the following species by the presence of yellowish spots between the hind-thighs.

Length, 1 line; breadth,  $\frac{3}{8}$ .

Two examples were taken on Mount Maungatua, Otago, by Mr. S. W. Fulton; and I think Mr. P. Stewart-Sandager has a third, which he found near Wellington.

1486. **R. lachrymosus**, *n.s.* Shining, infusate-black; legs and two basal joints of antennæ testaceous, the remaining joints fuscous.

*Head* punctate, with two ocular foveæ. *Prothorax* longer than broad, narrowed anteriorly, rounded laterally before the middle and constricted near the base; uneven, punctured in a similar manner at the head. *Elytra* broad, oviform, with elevated shoulders, punctate; each with three or four irregular rows of elongate irregularly-formed elevations, sometimes linear, sometimes rounded; suture smooth. The *clothing* consists of dark elongate hairs along the sides and short greyish ones elsewhere, but the head and thorax are nearly nude. *Antennæ* elongate, basal joint robust, second stouter but shorter than the slender third joint, 4-8 about equal, club loosely jointed.

Length, 1 line; breadth, nearly  $\frac{1}{2}$ .

I found one at Northcote, Waitemata Harbour.

### **Corticaria** (p. 234).

1487. **C. fusca**, *n.s.* Sub-ovate, moderately convex, clothed with numerous fine yellowish hairs, which, on the wing-cases, are disposed in rows; brown, varying from light to dark; legs and antennæ testaceous.

*Head* almost as broad as thorax, moderately punctured; eyes large. *Prothorax* about as long as broad, base marginated, narrowed in front, a little rounded laterally, slightly depressed along the base, punctate, interstices finely and densely sculptured. *Scutellum* distinct. *Elytra* sub-ovate, not depressed, with fine sutural striæ, their punctation tolerably close and almost forming rows. *Club* of the antennæ with oviform joints.

Should be placed near Nos. 417 and 418, but in these species the hind-body is nearly oblong, whereas the present one has quite oviform elytra.

Length,  $\frac{5}{8}$  line; breadth, quite  $\frac{1}{4}$ .

One of Mr. S. W. Fulton's captures at Taieri, Otago.

## FAMILY—LUCANIDÆ.

## Group—ÆSALIDÆ.

*Ceratognathus* (p. 252).

1488. *C. macrocerus*, *n.s.* Oblong, slightly convex, sub-opaque, blackish, spotted with elongate white scales.

*Head* finely and distantly punctured; eyes prominent; mandibles very small. *Prothorax* transversal, its sides a little explanate, nearly straight behind, but narrowed towards the protuberant front angles, base bisinuate, posterior angles rectangular; the discoidal sculpture similar to that of the head; the lateral coarser; it bears numerous white scales (depressed), forming small spots. *Scutellum* squamose. *Elytra* slightly broader than thorax and twice its length; each side of the suture gradually elevated towards the posterior declivity, sub-striate, their whole surface finely punctated, the punctures occasionally forming double rows but with punctated interstices, so that these rows are not very regular; they bear many semi-erect, elongate white scales, the spots composed sometimes of one, sometimes of four scales. Anterior *tibiæ* closely denticulated, and armed with a median and apical teeth externally; the other pairs distantly denticulate and setose. *Antennæ* relatively very long, their three terminal articulations as long as head and thorax, hirsute, linear. Remarkable for the diminutive mandibles as contrasted with the large antennæ.

♀. Length,  $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{4}$ .

I captured my specimen near Helensville (Kaipara).

1489. *C. fuscus*, *n.s.* Sub-opaque, fuscous, covered with yellowish-grey scales, antennæ and tarsi ferruginous; oblong, slightly convex.

*Head* small, closely and coarsely punctated; mandibles small, prorected; eyes not very prominent. *Prothorax* broader than long, a good deal curvedly narrowed towards the front, hind angles almost rectangular; its surface closely punctured, slightly uneven, and with a rather broad dorsal furrow. *Elytra* oblong, each with two or three ill-defined grooves near the suture, wholly punctate. *Underside* closely but not deeply punctured. Front *tibiæ* closely denticulated, armed with two teeth, the middle pair similarly armed, the posterior denticulated along their outer edge. *Antennæ* short, the last three joints short and stout, pectinate, not at all linear.

♀. Length,  $3-3\frac{3}{4}$  lines; breadth,  $1\frac{3}{8}-1\frac{1}{4}$ .

The two examples before me were found on a kowhai log at Taieri, by Mr. Sydney W. Fulton.

## Group—DASCYLLIDÆ.

*Cyphon* (p. 319).

1490. *C. rectalis*, *n.s.* Narrow, elongate, sub-parallel, not convex, blackish, moderately shining, clothed with fine greyish hairs, legs testaceous, thighs darker, antennæ infuscate.

*Head* moderately large, nearly as broad as the thorax, finely and distantly granulated, without sub-ocular line. *Antennæ* stout, third joint small, much narrower than, and half the length of, the fourth. *Prothorax* narrower than elytra, rounded laterally, finely and distantly granulated. *Elytra* elongate, four or five times longer than thorax, almost parallel-sided, not impressed before the middle, moderately closely punctured.

Narrower and more parallel than *C. rectangulus*, the granulation of the head much less distinct, the thorax more remotely and less evidently sculptured.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ .

Otago. Collected by Messrs. Chalmer and Fulton.

1491. **C. waikatoensis**, *n.s.* Shining, testaceous; the suture and four spots on the elytra (two basal and two apical), and the head sometimes infusate; densely clothed with short greyish-yellow hairs; not narrow.

*Head* as broad as apex of thorax, moderately finely granulated in front. *Antennæ* yellowish, the apical half fuscous, their third articulation about one-third the bulk of the fourth. *Prothorax* about as broad as elytra at base, remotely and obsoletely granulated, in some lights appearing punctate. *Elytra* but little rounded laterally, without distinct depressions, punctate. *Underside* fuscous, pale or dark, densely pubescent, more or less punctate.

Allied to No. 586. Sub-ocular line moderately developed, the intervening space narrow.

Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{3}{4}$ .

Taken by myself off *Leptospermum* at Ngaruawahia, Waikato.

## Group—CISSIDÆ.

### Cis (p. 346).

1492. **C. picturatus**, *n.s.* Elongate-oblong (sub-cylindric), moderately shining, variegate; head rufo-fuscous, thorax brighter; elytra testaceous, with many irregular pitchy spots, sometimes indistinct, the scutellar region slightly infusate; legs red or rufo-fulvous; tarsi, palpi, and antennæ (save the fuscous club) yellowish.

*Head* moderately coarsely punctured, bearing golden hair-like setæ; edges of forehead carinated, leaving a wide median gap; eyes prominent, distinctly faceted. *Antennæ* barely as long as thorax, basal joint much swollen, second much smaller, third slender, longer than fourth, joints 5-7 small, decreasing in length, club large; they bear greyish-yellow hairs. Terminal joint of maxillary palpi thick, scarcely acuminate. *Prothorax* quite as long as broad, its apex broadly rounded, the sides somewhat curved, with dark rims, posterior angles rectangular, not acute; with an indistinct dorsal line, moderately closely punctated, but not very coarsely; clothed with decumbent yellow setæ. *Scutellum* distinct. *Elytra* almost as broad as thorax, parallel-sided; their punctuation partially concealed by their clothing of short, erect, grey setæ. *Legs* stout, pubescent;



femora stout; *tibiæ* slightly expanded, and oblique at the extremity; *tarsi* stout; *claws* thickened at base.

A varietal form exists about two-thirds the size of the type.

Near Nos. 630, 633, and 634, but easily recognized by its coloration.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$ .

My specimen was found at Taieri, by Mr. S. W. Fulton.

1493. **C. obesulus**, *n.s.* Convex, short and broad, contracted medially, slightly glossy, infusate-black; legs red, tarsi pale-ferruginous; palpi and first two joints of the antennæ rufotestaceous, the other joints gradually become darker; sparingly clothed near the sides with short, erect hair-like setæ.

*Head* not distinctly sculptured, a little uneven, the sides of the forehead obviously carinated. *Eyes* prominent, distinctly faceted. *Antennæ* pubescent, the first two joints stout, the second the smaller of the two, third slender and elongate, about as long as the following three conjointly, fourth longer than broad, fifth shorter than the preceding one, sixth and seventh transverse, club large, laxly tri-articulate, tenth (last) joint largest. *Prothorax* large, transversal, marginated and obtusely rounded laterally, depressed-emarginate behind the eyes, angles not acute, base finely marginated throughout and widely, but only slightly, bisinuate; its surface moderately finely and distantly punctured, rather more closely and coarsely near the sides, the intervening spaces excessively finely sculptured. *Scutellum* minute, triangular. *Elytra* not twice the length of the thorax, with distinct lateral rims, considerably curvedly narrowed posteriorly, humeral angles rounded, somewhat depressed along the suture; their punctation much closer and coarser than that of the thorax. *Legs* robust and hairy; *tibiæ* compressed, the anterior a little dilated apically, the outer and inner extremities produced so as to form a cavity for the reception of the basal tarsal joints, but without furrow for the reception of the whole foot; front *tarsi* short, their terminal articulation as long as the other three taken together; *claws* well developed.

Obs.—The broadest of the New Zealand species, allied to *Rhopalodontus*. Nos. 637, 638, 639, and 1400 are rather short and broad insects nearly related to the present one; the others are more cylindrical.

## Group—HELOPIDÆ.

### *Adelium* (p. 386).

1494. **A. indagator**, *n.s.* Elongate, sub-parallel, moderately convex; shining, body bronzed-black, sometimes brownish, legs (except the knees and extremity of the *tibiæ*) piceous, tarsi fulvous, antennæ infusate but with the two basal articulations shining-castaneous, palpi variegate; underside piceous, coxæ rufous.

*Head* moderately punctated on the middle, epistome less so; labrum nearly smooth, infusate. *Prothorax* quadrate, sides explanate, apex trisinate (*id est*, with a slight triangular median

notch and two wider post-ocular ones); base widely, but not deeply, angularly incurved; lateral margins distinct, the apical finer; posterior angles rectangular, resting on the hind-body, the anterior obtuse; the sides broadly rounded as far as the middle, behind slightly narrowed, nearly straight, having only a slight ante-basal sinuosity; it is convex and a little uneven, having two distinct, distant, basal impressions, two elongate frontal ones, the same number lateral, and a more or less evident dorsal stria; its punctation neither close nor coarse and becoming less perceptible on the sides. *Scutellum* smooth. *Elytra* oviform, elongate, slightly wider at the base than thorax and still wider at the middle, deflexed and narrowed posteriorly, humeral angles a little reflexed; their sculpture consists of about twelve rather closely but not coarsely punctured striae; of these the four sutural are regular, but the others sometimes form elongate insulated spaces. *Underside* almost smooth; epipleurae punctate. *Legs* stout, tibiae arcuated, a little dilated and pubescent towards the extremity.

On a careful examination it will be noticed that the sides of the thorax, midway between the middle and hind angles, are widely yet slightly dilated: this, together with the more or less obvious median furrow, distinguish it from all the other species except *A. chalméri*.

Length,  $5\frac{1}{2}$  lines; breadth,  $2\frac{1}{4}$ .

Found by Mr. T. F. Cheeseman, Wangapeka Valley, Nelson.

1495. ***A. rufilabrum***, *n.s.* Sub-parallel, gradually narrowed medially, elongate, moderately convex transversely; bronzed-brown, not very glossy; legs pubescent, antennae ferruginous.

*Head* finely and rather distantly punctured, with a well-marked groove extending from the inner side of each eye to the almost equally straight suture of the epistome; labrum rufescent, closely but finely punctured. *Antennae* robust, with yellow hairs. *Prothorax* longer than broad, apex sub-truncate, anterior angles rounded, gradually narrowed from front to base, posterior angles rectangular, base widely, but not deeply, angularly incurved; lateral and basal margins fine but distinct, the frontal obsolete; it is impressed with fine and rather distinct punctures. *Scutellum* smooth behind, very coarsely and densely punctured in front. *Elytra* elongate, slightly broader at the base than the thorax, humeral angles rounded, with reflexed rims, from thence gradually widened to beyond the hind-thighs and then narrowed apically, finely marginated; each has nine finely-punctured striae, the intermediate confluent posteriorly, interstices almost plane and finely punctulated. *Underside* piceous, more or less punctate; coxae rufescent.

The *antennae* similar to those of *A. amaroides*; eyes transverse, elongate-oval, without apparent frontal emargination. Inter-coxal suture bilineated and strongly curved in front.

It may be readily identified by its unusually long thorax, having a very slight outward curvature in line with the front femora, and the very coarse sculpture along the base of the scutellum. Like *A. alienum*, an aberrant form.



Length,  $3\frac{3}{8}$  lines; breadth,  $1\frac{1}{4}$ .

I am indebted to Mr. Cheeseman for my specimens, which he brought from the Wangapeka Valley.

## Group—ULOMIDÆ.

### Ulomotypus.

*Nov. gen.*

*Body* elongate-oblong, transversely convex. *Head* moderate. Suture of *epistome* truncate in the middle, oblique laterally, deeply triangularly emarginated in front. *Labrum* prominent, entire, ciliated. *Eyes* transversal. *Antennæ* 11-articulate, robust, rather short, gradually, but not greatly, incrassated; first joint longest, third a little larger than the contiguous ones, joints 7-10 transverse, sub-obconical, eleventh rounded. Maxillary *palpi* short, their terminal joint securiform. *Prothorax* quadrate, margined, apex sinuated, base bi-sinuated. *Scutellum* transverse. *Elytra* oblong, slightly broader than thorax, margined. *Legs* moderate; *femora* robust, grooved underneath; front *tibiæ* elongate-triangular, armed with two robust processees, the outer edge sub-crenate; the two hind pairs angularly produced outwardly at the extremity, cavernose, bi-spinose inwardly, the posterior arcuated, with a conspicuous tooth near the base on the inner edge; *tarsi* very short, cylindric, almost nude, the four basal joints of the anterior conjointly as long as the apical one, penultimate entire; first joint of the posterior obconical, not elongated, second and third transverse; *claws* simple. *Prosternal process* arched; that of the mesosternum depressed in front, triangular, concave; abdominal process triangular, with raised edges. *Trochanters* of the intermediate legs quite as distinct as the posterior, ciliated. *Metasternum* moderately elongate, its episterna narrow, parallel.

1496. *U. lævigatus*, *n.s.* Nude, shining, pitchy-black, tarsi and antennæ dark-red, labrum and palpi ferruginous, sub-cylindrical.

*Head* uneven, with two large obtuse inter-ocular elevations separated by a longitudinal groove, and a sinuous transversal impression behind; its front part finely punctured, more closely near the eyes, their orbits densely rugose-punctate; occiput quite smooth. *Prothorax* quadrangular, front and basal margins fine but distinct, the lateral thickened behind; apex widely and somewhat sinuously incurved, base sinuated beyond the middle; posterior angles rectangular, the anterior nearly so; its surface very finely and distantly punctured, with two shallow discoidal foveæ. *Scutellum* smooth, the anterior space densely rugulose. *Elytra* parallel, their rims entire, shoulders obtusely rectangular; each has a very long scutellar and eight punctured striæ, not, however, continued to the extremity, interstices nearly plane, finely and remotely punctated. Front *tibiæ* with fulvous ciliæ at their internal apex, the outer edge finely crenate, their front face punctate; middle and hind pairs coarsely sculptured. *Underside* more or less reticulate-punctate.



Length,  $5\frac{1}{4}$  lines; breadth,  $2\frac{1}{4}$ .

Described from one individual brought by Mr. Cheeseman from the Wangapeka Valley, Nelson.

## Group—DIAPERIDÆ.

### Menimus (p. 360).

1497. *M. striatulus*, n.s. Oval, moderately convex, almost nude, having only a few fine greyish hairs; rufo-castaneous, not very glossy, legs and antennæ ferruginous.

*Head* finely and distantly punctured, its whole surface very finely sculptured. *Prothorax* transverse, of exactly the same width as the elytra at the base, narrowed, yet but little curved, anteriorly; apex incurved towards each angle, with dense minute sculpture and some fine distant punctures. *Scutellum* broadly triangular, punctate. *Elytra* gradually curvedly narrowed posteriorly, the lateral margins as distinct as those of the thorax, but a little incurved in line with the hind thighs; each elytron has seven or eight broad shallow striæ free from punctuation, interstices finely and distantly punctured, their whole surface with fine sculpture like that of the thorax. *Legs* normal; *tibiæ* straight, and, like the antennæ, clothed with fine fulvous hairs.

Exactly similar to *M. batesi* in outline; the eyes are equally small, but the elytral striæ are distinctive.

Length, 2 lines; breadth, 1.

I took one from a log on the Waitakerei Range.

1498. *M. sinuatus*, n.s. Oviform, almost oblong-oval, rather broad and convex, almost nude, somewhat nitid, rufo-piceous, femora fulvous, tarsi, antennæ, and palpi ferruginous, and bearing fine yellow hairs, its whole surface densely but finely sculptured.

*Head* rather broad, finely and not closely punctated; eyes of moderate size. *Prothorax* much broader than long, convex; apex rather deeply incurved near the sides, so that the anterior angles, though not acute, seem unusually prominent, the base slightly narrower than the humeral angles, the sides rounded anteriorly, but almost straight behind; it has a few fine punctures, not so easily seen as those on the head. *Scutellum* triangular, punctulated. *Elytra* a good deal narrowed behind, obsoletely striate, more distinctly punctured than the head, the punctuation irregular. *Legs* stout; two front pairs of *tibiæ* moderately arcuated externally; the posterior straight inwardly, but, on the outside, a little emarginated beyond the middle.

Rather broader but less convex than No. 660, the thorax more transversal, less depressed in front, and with protuberant anterior angles; larger than *M. crassus* and of different shape; the thorax scarcely narrowed till near the front

Length, 2 lines; breadth,  $1\frac{1}{8}$ .

I found one near Helensville, Kaipara.

## Group—MELANDRYIDÆ.

## Onysius.

## Nov. gen.

*Head* nearly as broad as thorax, *epistome* porrect, truncate in front; *labrum* transverse, prominent, with an almost straight edge, covering the mandibles; *eyes* large, reniform, with coarse facets; maxillary *palpi* hirsute, robust, basal joints minute, second elongate-triangular, third short, obconical, fourth as large as second, elongate-securiform; labial short and stout, their terminal joint obtuse, arched; *mentum* large, obliquely truncated towards the middle, which, however, is straight; *mandibles* robust, externally curved, acutely bifid at apex. *Antennæ* inserted before the emargination of the eyes, extending backwards to the middle of the elytra; stout, not at all moniliform, basal joint short, swollen, sub-triangular, second rather longer but more slender, joints 3-8 about equal, thickened apically, each longer than second, ninth and tenth also eleventh somewhat flattened, a little longer and broader than the preceding, eleventh as large as tenth, oviform. *Prothorax* quadrate, apex trisinate, anterior angles obtusely prominent, yet not reaching as far forward as the middle portion of the apex; base medially incurved; widest and somewhat rounded laterally in front, from thence nearly straight to the obtuse hind angles, finely marginated throughout, depressed. *Scutellum* large, curvilinearly triangular. *Elytra* oblong, nearly twice the breadth and four times the length of the thorax, their sides nearly vertical, posterior slope gradual; parallel to beyond the middle, from thence the margins are gradually explanated, abruptly sinuously narrowed posteriorly, apices simple, rounded, disc nearly plane but uneven. *Legs* moderate, *femora* a little inflated; *tibiæ* nearly straight, gradually and slightly thickened, and minutely bi-calcarate at apex; *tarsi* elongate, quite as long as the tibiæ, with simple soles, two front pairs pentamerous, narrow, their joints entire and of equal width, the three basal of the same length, fourth shorter than third, simple, fifth longest, posterior quadri-articulate, decreasing in length, fourth, however, rather longer than first; *claws* well developed, simple. *Prosternum* short, simple; *coxæ* globose-cylindric, prominent, narrowly separated. *Mesosternum* short, with a plane, broad, triangular process slightly projecting anteriorly and adapted to the slight prosternal notch, *coxæ* a little further apart than the anterior, moderately raised, rounded. *Meta-sternum* moderate, episterna broad, narrowed posteriorly, hind *coxæ* embedded, transverse, more widely separated than the others. *Cotyl-oid cavities* closed. *Abdomen* with five nearly equal segments; inter-coxal process broadly triangular, with carinate edges. *Epi-pleuræ* narrow.

1499. *O. anomalus*, n.s. Sub-oblong, sub-depressed, nearly nude, shining, uneven; head and thorax infusate-red, the sides of the latter suffused with pitchy-brown: elytra testaceous, the scutellar region rufescent, and with two shining, blackish, arrow-shaped discoidal marks, on other parts indistinctly tinged with green

and brown; femora fuscous; tibiæ (except a basal and median infusate bands), tarsi, and antennæ pale-flavous, these last with the three terminal pubescent joints and the tips of joints 2-8 brownish, the basal one blackish, tarsi similarly marked; labrum yellowish.

*Head* a little uneven, with a depression between the antennal orbits, punctate; epistome and labrum smooth. *Prothorax* quadrangular, somewhat broader than long, finely margined, rather flat, without projecting angles, widest in front, nearly straight behind; its surface rather flat and uneven, with two pairs of slight obtuse basal elevations situated midway between the middle and sides, its punctation moderately close and irregular. *Scutellum* finely punctured. *Elytra* uneven, nearly plane above, sides straight to beyond the middle, dilated near hind thighs, suddenly curvedly narrowed behind; their punctation neither close nor coarse; each bears a large compressed ante-apical protuberance, and three more or less perceptible elevations behind the middle. The *body* is sparsely clothed with fine yellowish hairs. Antennæ and legs pubescent. *Underside* fuscous, punctate, pubescent. Metasternum grooved behind.

Length,  $3\frac{1}{4}$  lines; breadth,  $1\frac{1}{8}$ .

Mr. W. D. Campbell, of Ponsonby, discovered one example on the Patetere plateau.

### **Ctenoplectron** (p. 400).

1500. **P. vittatum**, *n.s.* Lanceolate, narrow; slightly shining, pitchy-brown, palpi yellow; the two basal articulations of the antennæ and the apical one of the tarsi infusate; the elytra with two elongate basal vittæ fulvous, and an ante-apical fascia pallid.

*Head* closely reticulately sculptured. *Prothorax* sub-conical, somewhat rounded laterally, widely bisinuate at base; its sculpture like that of the head but finer, canaliculate, with two small basal depressions, covered with somewhat deciduous, depressed yellow hairs. *Elytra* elongate, attenuated posteriorly, apices acutely rounded, leaving a sutural gap; finely reticulated, the lateral and sutural margins coarsely ciliated, each with three costæ, most obvious behind, the outermost quite lateral and least distinct; they are clothed with cinerous pubescence. *Legs* normal, elongate.

Length, 3 lines; breadth,  $\frac{3}{4}$ .

I found two, one mutilated, on the Waitakerei Range.

### **Allopterus** (Pt. III., p. 790).

1501. **A. instabilis**, *n.s.* Variegate, ground-colour smoky-brown inclining to black; the dorsum and base of thorax, the base and portions of the elytra, rufescent; palpi pale-flavous, legs palestestaceous sometimes marked with brown; the tarsi and basal joints of antennæ infusate, the remaining articulations of these latter blackish; each elytron with a short humeral vitta, widest behind, a sutural one near the middle, and a very irregularly-formed fascia behind, yellowish; a lateral spot just before the hind thigh, of a reddish colour, may also be noticed.



*Head* reticulated. *Prothorax* as long as broad, sub-conical, with three basal depressions, reticulate, clothed with decumbent yellowish or variegate hairs. *Elytra* elongate, gaping behind, apices acutely rounded, attenuated towards the extremity; their suture thickened throughout, slightly uneven, but not distinctly carinated; the humeral region longitudinally elevated; their clothing mostly yellowish and depressed.

A second example\* ( $1\frac{3}{4}$  lines  $\times$   $\frac{3}{8}$ ) is much less distinctly marked, but evidently belongs to this species.

Length,  $2\frac{1}{8}$  lines; breadth, nearly  $\frac{1}{2}$ .

I caught two on the Waitakerei Range, near the residence of Mr. W. Cantwell.

### Group—CEDEMERIDÆ.

#### *Selenopalpus* (p. 419).

1502. *S. aciphyllæ*, *n.s.* Black, a little glossy, legs and antennæ infusate; body elongate, sub-depressed, pubescent.

*Head* somewhat convex, with two elongate inter-ocular depressions; the vertex sparingly, the sides and back closely but not coarsely, punctured, the intervals between the dots densely sculptured; eyes rather small, not convex, obliquely truncate in front; last joint of the maxillary palpi thick, widely but not deeply notched. *Thorax* quite as broad as long, obtusely distended laterally in front of the middle, sinuously narrowed behind, basal margin distinct; its surface without well-marked cavities, the sculpture and clothing not materially differing from those on the head. *Scutellum* sub-triangular, concave. *Elytra* nearly parallel-sided, humeral angles obtuse, apices slightly gaping and rounded singly; the disc obsoletely bi-costate, closely and rather coarsely rugose-punctate, with greyish hairs.

In some respects like *S. cyaneus*; the colour far darker, the sculpture dense, the emargination of the terminal joint of the maxillary palpi much wider but not so deep. The posterior femora are only a little incrassated; the tibiæ are arcuated but not thickened near the base nor produced at the apex. The *pygidium* but little exposed.

♂. Length,  $4\frac{1}{4}$  lines; breadth,  $1\frac{1}{8}$ .

I have one male only, broken, taken off *Aciphylla lyallii* at Taieri by Mr. S. W. Fulton.

#### *Sessinia* (p. 420).

1503. *S. nemoralis*, *n.s.* Elongate, but little convex; slightly shining, fusco-testaceous, legs flavous, tarsi and palpi very slightly rufescent.

*Head* moderately punctured, the interspaces finely punctured, bearing a few fine griseous hairs; apical joint of maxillary palpi moderately large, widely emarginated behind towards the apex. *Prothorax* as long as broad, its sides rounded in front and narrowed behind, basal margin distinct; nearly plane above, its whole surface rather coarsely but not deeply punctated, with the interstices closely

reticulated; it bears some short yellow, depressed hairs. *Scutellum* curvilinearly triangular, concave. *Elytra* slightly but widely incurved before, and broadly dilated behind, the middle; shoulders rounded, apices rounded, leaving the suture open behind; each has seven feebly-impressed striae (infusate), one sutural, two pairs beyond, the outermost least distinct; all become obsolete posteriorly; they are closely yet not deeply punctured, and clothed with yellowish hairs. Posterior *tibiae* moderately arcuated.

♀. Larger ( $6\frac{1}{2}$  lines  $\times$   $1\frac{3}{8}$ ), more opaque, the elytra sub-parallel, and, being darker in colour than the other sex, with less obvious striae; apical joint of palpi entire, securiform; hind *tibiae* straight.

Quite distinct from *S. latiuscula*.

♂. Length,  $5\frac{3}{8}$  lines; breadth,  $1\frac{3}{8}$ .

Taken at Taieri, Otago, by Messrs. Fulton and Chalmer.

### Dammarobius.

*Nov. gen.*

*Body* elongate, sub-depressed. *Head* larger than thorax, narrowed behind; *eyes* large, prominent, distinctly faceted, obliquely truncate in front; *antennae* filiform, extending backwards to hind thighs, inserted before the eyes, basal joint stout, arcuated, as long as third, second short; their terminal joint thickened medially and rather abruptly narrowed apically; maxillary *palpi* quadri-articulate, elongate; their last joint large, widely furcate and inwardly concave; the intermediate joints sub-cylindric, dilated apically, and densely pubescent. *Prothorax* sub-cylindrical, dilated laterally before the middle. *Scutellum* curvilinearly triangular. *Elytra* long, gradually attenuated posteriorly; humeral angles obtuse; apices acutely rounded, leaving a slight sutural gap and exposing the last ventral segment only. *Legs* slender; posterior *femora* short, a little inflated, notched at the extremity; *tibiae* lamellate at base, flexuose, bi-calcarate; *tarsi* moderate, first joint longer than the following three conjointly, third short, quadrate, grooved for the reception of the terminal one; *claws* thickened at base and furnished with a tooth-like process.

Allied to *Baculipalpus*; the shape of the apical joint of the maxillary palpi resembles the letter V; the labial are short, with strongly securiform terminal joints.

1504. **D. mollis**, *n.s.* Elongate, sub-depressed, slightly shining, variegated-testaceous; last joint of maxillary palpi infusate.

*Head* rather smooth, finely punctated, with a few fine pallid hairs. *Antennae* pubescent. *Prothorax* longer than broad, uneven, narrowed behind, its basal margin reflexed; the sculpture and clothing nearly similar to those of the head. *Elytra* broader than thorax, gradually narrowed towards the apices, obsoletely lineated, covered with short, decumbent, greyish hairs; they are moderately closely punctured, and exhibit a livid hue on some parts. *Legs* pubescent; *tarsi* with blackish hairs above, the last joint ciliated in front.

♂. Length, 6 lines; breadth,  $1\frac{1}{8}$ .

I cut one, not quite mature, specimen out of a kauri log on the Waitakerei Range.

### Group—MORDELLIDÆ.

#### *Zeamordella*.

##### *Nov. gen.*

Differs from *Mordella*. Terminal joint of the maxillary palpi large, broadly triangular, anterior margin concave, united exactly in the middle to the penultimate. Hind legs short; their tarsi robust, with coarse ciliæ at the extremity of each joint. *Pygidium* with a deep sinuous suture. *Scutellum* semicircular.

1505. *Z. monacha*, n.s. Lanceolate, arched, sub-opaque, black; three or four basal articulations of the antennæ, and stalk of the palpi, infusate; elytra with whitish spots.

*Head* finely punctured, densely clothed with short brassy hairs. Antennæ pubescent, joints 5–10 serrate, eleventh ovate. *Prothorax* broader at the base than the elytra, strongly rounded and narrowed towards the front, base medially lobate; its sculpture consists of irregularly-formed linear impressions; it is clothed like the head. *Elytra* gradually narrowed posteriorly, apices obtusely rounded, densely sculptured pretty much in the same way as the thorax; the darker portions are covered with cinerous pubescence, whilst pale-yellow hairs form spots; these are, on each elytron, one humeral, two behind it but before the middle, one behind the middle, a broad sutural line extending as far as, and having a tendency to unite with, the median spot, and an elongate ante-apical sutural spot. *Legs* robust, clothed with pale-yellow hairs. *Underside* pitchy-black, sculptured like the upper surface, and clothed with greyish hairs. *Pygidium* covered with griseous hairs at the base.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$ .

I shook two off birch-trees near the residence of Mr. Hampton, at Pokeno, Auckland.

### Group—BRACHYDERIDÆ.

#### *Nicæana* (p. 427).

1506. *N. concinna*, n.s. Oblong-ovate, medially contracted, moderately convex, variegate, densely covered with depressed rounded scales and fine erect setæ; legs testaceous, antennæ rufescent.

*Rostrum* continuous with, but narrower than, the head, punctate, with an excessively-fine longitudinal line, covered with grey scales. *Antennæ* stout, scape shorter than the funicle, gradually incrassated; basal joint of funiculus largest; second obconical, not very much smaller than first; joints 3–6 nearly moniliform, seventh larger than sixth, transverse; club ovate, distinct. *Head* plane above. *Prothorax* transversal, rounded laterally, punctate, covered with white and greyish scales, but with a broad vitta at each side, composed of smoky-brown scales. *Scutellum* triangular, pallid. *Elytra* sub-



cordate, of almost the same width as the thorax at the base, humeral angles obsolete, widest before the middle, and considerably narrowed behind; each with seven fine striæ; the other sculpture concealed by the squamosity, consisting of white, greyish, and fuscous scales; those of the darkest colour form a much-curved sub-apical fascia, and some spots between the hind thighs. All the *tibiæ* flexuose. *Underside* pale-brown.

Length (rost. incl.),  $2\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$ .

An individual of this pretty little weevil was sent from Taieri by Mr. Sydney W. Fulton, of Outram.

### Group—OTIORHYNCHIDÆ.

#### Trachyphlœus (p. 430).

1507. *T. hariolus*, *n.s.* Sub-ovate, a little shining, squamose, variegate.

*Rostrum* stout but narrower than head, reddish, almost concave above; scrobes cavernose, extending half-way to the eyes. *Antennæ* robust, scape very stout, setigerous, fuscous; funiculus shining, ferruginous, pilose, first joint stout, second nearly as long as, but only half the breadth of, the first, 3-7 transverse, seventh distinctly broader than sixth, club distinct, pubescent. *Prothorax* broader than long, strongly rounded laterally, constricted in front, rufo-castaneous, with irregular punctiform impressions, the spaces between minutely and remotely punctated. *Elytra* but little broader than thorax, but twice its length; base arcuated, humeral angles oblique; punctate-striate, covered with small, flat, chocolate-coloured scales, and a row of coarse setæ on each of the interstices, those near the suture and shoulders white. *Legs* stout, brick-red; *tibiæ* bent.

The scape is thicker than in any other New Zealand species; the thorax, almost bare and glossy, is so sculptured as to appear as if divided into irregular oviform areas, yet not distinctly granulated.

Length (rost. incl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$ .

I have only seen one specimen, which was discovered near Dunedin by Mr. T. Chalmer.

### Group—RHYPAROSOMIDÆ.

#### Phrynixus (p. 432).

1508. *P. intricatus*, *n.s.* Sub-ovate, rufo-piceous, densely covered with sappy scale-like matter concealing its clothing and sculpture.

*Rostrum* as long as thorax, dilated and nearly smooth anteriorly, tufted in front of the eyes, and with two smaller crests just behind the antennal insertion. *Antennæ* moderately elongate, the scape bearing long bent scales, the two basal joints of the funiculus equally elongate or nearly so, the others increase in thickness, club distinct, ovate, red. *Prothorax* longer than broad, widest near base, coarsely, but on some parts not closely, punctated, very uneven; middle of base concave, with ten more or less obvious scaly elevations, three at each side, two basal, and two dorsal. *Elytra* uneven,

scutellar region depressed, irregularly and coarsely punctured, apex piceous, striate; each with a compressed elevation on the top of the posterior declivity, a similar one on each shoulder, and other rounded ones elsewhere, covered with scales; their surface more or less studded with small glossy black tubercles. *Legs* squamose.

The above is applicable to a denuded specimen. It is larger than *P. astutus*; in *P. celatus* the elytra appear as if coarsely striate; whilst *P. terreus* is without rostral tubercles.

Length (rost. incl.), 3 lines; breadth,  $1\frac{3}{4}$ .

Mr. T. Chalmer sent me a specimen from Dunedin.

1509. ***P. tuberculatus***, *n.s.* Ovate, covered with scaly matter, piceous; legs, antennæ, and tarsi ferruginous.

*Rostrum* as long as thorax, tri-carinate in front, punctate, bi-cristate behind. *Prothorax* a little longer than broad, punctate, squamose-tuberculate. *Elytra* broader and longer than thorax, almost punctate-striate, bearing some small black tubercles near the sides and apex. *Legs* scaly. *Underside* distantly punctured.

Allied to the preceding species, but with narrower elytra, so sculptured as to seem punctate-striate; near the base the punctures are large, and the striæ begin after the middle.

Length (rost. incl.),  $2\frac{1}{2}$ –3 lines; breadth,  $1\frac{1}{8}$ – $1\frac{1}{4}$ .

Collected near Outram by Messrs. Fulton and Chalmer.

1510. ***P. differens***, *n.s.* Ovate, pitchy-red, clothed with elongate fulvescent scales; antennæ and tarsi red.

*Rostrum* quite as long as thorax, arched, but little dilated in front, punctate, not carinate, without tufts. *Prothorax* rather longer than broad, cylindrical, depressed at base, not tuberculate, closely rugose-punctate. *Elytra* sub-ovate, broadly rounded laterally, disc striate-punctate, apex punctate-striate, the fourth interstice almost nodose behind; the squamosity is irregularly distributed, but does not form tubercular elevations. *Legs* stout, scaly.

Of nearly the same size as *P. modicus* and *P. facetus*; from the latter it differs in having the beak simple and the elytra perfectly free from squamose tubercles.

Length (rost. incl.),  $2\frac{1}{8}$  lines; breadth,  $\frac{3}{4}$ .

I found one on the Waitakerei Range.

1511. ***P. rufipes***, *n.s.* Ovate, piceous, antennæ and tarsi red, clothed with small, elongate, fulvescent scales.

*Rostrum* as long as thorax, squamose, punctate and slightly dilated in front, its basal half tuberculate-squamose. *Antennæ* shining, second joint of the funicle nearly as long as, but more slender than, first. *Prothorax* cylindrical, longer than broad, with a few shallow punctiform impressions, the sides fringed with scales, the middle almost tuberculate-squamose. *Elytra* oviform, almost punctate-striate, quite so behind, the dorsal punctures large, with a few small black tubercles on the alternate interstices. *Legs* reddish, scaly.

The sculpture of the beak and thorax distinguishes this species from Nos. 761 and 1221 as well as *P. differens*.

Length (rost. incl.),  $1\frac{7}{8}$  lines; breadth,  $\frac{3}{4}$ .

I have one individual only, which was found in the same locality as *P. differens*.

1512. ***P. capitalis***, *n.s.* Convex, clothed with small elongate yellowish scales, piceous; legs and antennæ rufescent.

*Rostrum* longer than thorax, arched, wider in front than behind, finely carinate, its basal half densely squamose but not tuberculate. *Antennæ* moderate. *Prothorax* quite as broad as long, widest in the middle, its frontal portion narrow and depressed and moderately punctated; the disc coarsely punctured and uneven. *Elytra* subcordate; scutellar region concave, striate-punctate; hind-slope punctate-striate; the discoidal punctures are large and separated from each other by a rather narrow interval having a minute granule on each; near the sides the granular elevations are more conspicuous; the scales form irregular elevations. *Legs* stout and scaly.

A peculiar form. When the insect has been set out on cardboard, the head, as seen from above, appears very small and no broader than the snout, with a deep constriction behind the eyes. The scrobes are quite foveiform, but between them and the eyes there is a shallow squamose groove; the presence of the latter may be detected in other species also, though less evident unless the beak be denuded. The thorax is uncommonly short, and the elytra rather broad, so that the general contour is dissimilar to that of any described species. Notwithstanding these discrepancies, I have little hesitation in referring it to *Phrynixus*, though it should, I think, be placed last on the list.

Length (rost. incl.), 2 lines; breadth,  $\frac{7}{8}$ .

One of Mr. S. W. Fulton's discoveries near Outram. One only.

## Group—HIPPORHINIDÆ.

### *Phæophanus* (Part III., p. 792).

1513. ***P. graniger***, *n.s.* Sub-ovate, convex, opaque, black, clothed with small, elongate, sub-depressed fulvous scales.

*Rostrum* as long as thorax, almost longitudinally depressed; apex nude, punctate. *Antennæ* sparsely pilose, scape gradually thickened and not reaching the eye; funicle shining-piceous, two basal joints elongate and about equal, 3-7 oviform; club distinct, densely pubescent, quadri-articulate. *Prothorax* as long as broad, widest before the middle, base truncate, with very feeble ocular lobes; its surface rather uneven, not at all coarsely punctured, and bearing a few inconspicuous granules behind. *Scutellum* distinct, covered with grey scales. *Elytra* oviform, convex, broader and three times longer than thorax, not much broader than the thorax at the base, sides and apex nearly vertical; each with two sutural rows of oblong depressions becoming punctiform behind, two irregular costæ, the sutural almost tuberculate behind, and a lateral row of eight or nine nodiform elevations; there are also many



distant minute granules, most obvious near the suture; hind-slope almost punctate-striate; apex round. *Underside* clothed like the upper; two basal segments of abdomen large, bearing many transverse, almost granular elevations; head striated across. *Legs* scaly; femora sub-clavate beyond the middle; tibiæ nearly straight.

Differs from the typical species in being almost without ocular lobes.

Length (rost. incl.), 7 lines; breadth,  $2\frac{3}{4}$ .

Mount Maungatua, near Dunedin. My specimen was found by Mr. S. W. Fulton.

## Group—CYLINDRORHINIDÆ.

### *Inophlœus* (p. 439).

1514. *I. prælatus*, n.s. Opaque, nigrescent; tarsi obscure rufo-piceous; covered with minute, rounded, depressed grey scales and decumbent scale-like setæ.

*Rostrum* shorter than thorax, median carina well marked, apex nude, densely rugose-punctate. *Antennæ* hispid, scape gradually incrassated and attaining the back part of the eye; funiculus 7-articulate, the two basal joints almost equal, elongate, the others obconical, club distinct. *Prothorax* about as long as broad, widest before the middle, ocular lobes well defined; uneven, rugose-punctate, with a dorsal groove. *Scutellum* small, but distinct. *Elytra* broader than thorax, and about three times its length, ovate-oblong, sides vertical, abruptly deflexed behind, disc slightly convex; each elytron with six dorsal rows of large oblong foveæ, the third and fifth interstices gradually elevated posteriorly, the former terminating suddenly at the summit of the posterior declivity, but not forming a dentiform projection; the hind-slope without foveæ, apices simple. *Legs* clothed like the body; tibiæ ciliated with greyish bristles. *Underside* clothed, and, excepting foveæ, sculptured like the upper.

Narrower and more oblong than *I. inuus*, none of the elytra interstices so much elevated, the third not protuberant, and the apices not produced.

Length (rost. incl.), 7 lines; breadth,  $2\frac{1}{4}$ .

Described from a single example found at Taieri by Mr. Sydney W. Fulton, of Outram.

## *Echinopeptus*.

### *Nov. gen.*

*Rostrum* robust, gradually incrassated apically, as long as thorax, apex triangularly grooved; *scrobes* deep in front, less so on reaching the eyes. *Eyes* angulated below, not prominent, moderately faceted. *Antennæ* moderate; scape gradually thickened, not quite attaining the eye; funiculus 7-articulate, second joint shorter than first, 3-7 obconical; club ovate, 3-jointed. *Prothorax* rather broader than long, dilated laterally, base bisinuate, apex truncate, ocular lobes well developed, convex. *Scutellum* minute or invisible. *Elytra* bisinuate, and but little broader at base than thorax, nearly plane

above, sides and apex vertical. *Legs* stout; *tibiæ* flexuose, the anterior somewhat produced inwardly at the apex, the posterior cavernose; *tarsi* normal. *Metasternum* short; two basal segments of abdomen large.

Like *Inophlæus*; the scrobes, however, attain the eyes but the scape does not; the latter character separates it from *Empæotes*.

1515. *E. dilatatus*, *n.s.* Black, rough, covered with obscure greyish scales; antennæ and tarsi piceous.

*Rostrum* as long as thorax, obtusely tri-carinate; vertex slightly convex. *Prothorax* rather broader than long, convex, widest before the middle, uneven, rugose-granulate. *Elytra* sub-oblong, a little broader than thorax, slightly raised towards, and broadly dilated (projecting behind) at the summit of, the posterior declivity, but leaving a wide gap at the suture; apex vertical; there are several small rounded elevations on the disc and sides; the surface generally somewhat uneven, not quite flat, with four or five rows of coarse distant punctures on each. *Legs* and lower surface squamose. Broadest behind.

Length (rost. incl.),  $4\frac{1}{2}$  lines; breadth, 2 (maximum).

I am indebted to Mr. S. W. Fulton, of Outram, for one example. It was found near his residence, I believe.

### *Empæotes* (p. 441).

1516. *E. enysi*, *n.s.* Narrow; obscure rufo-silaceous; antennæ and tarsi somewhat ferruginous; covered with greyish-yellow flattened scales, and whitish scale-like decumbent setæ.

*Rostrum* as long as thorax, robust, broadly tri-carinate. *Antennæ* elongate, bearing grey hairs; second point of funiculus rather longer than exposed portion of the first, 3-7 elongate-obconical, club pubescent. *Prothorax* cylindrical, longer than broad, with a broad, irregular dorsal depression, but, otherwise, not uneven. *Scutellum* metallic, purplish-red. *Elytra* narrow, a little broader than thorax at base; just behind the shoulder there is a small obtuse tubercle; there are two large protuberant tubercles on the top of the hind-slope, and a smaller one on the side of each elytron near the posterior femora; sides and apex nearly vertical, the base a good deal rounded towards the scutellum; they are moderately convex, and gradually raised from the front backwards; each has six rows of elongate punctiform impressions above. *Legs* squamose. *Underside* densely scaly.

Presents a striking contrast to the typical species. This is due principally to the large, relatively broad beak, cylindrical thorax, and narrow elytra, with very prominent apical tubercles and post-humeral protuberances. In other respects it exhibits few inequalities of surface.

The breadth indicated is exclusive of tubercles.

Length (rost. incl.), 5 lines; breadth,  $1\frac{5}{8}$ .

Named in honour of its discoverer, Mr. J. D. Enys, F.G.S., Canterbury. I have seen one individual only, and that not in good condition, so that fresh specimens may be more brightly coloured.

**Irenimus** (p. 443).

1517. **I. pilosellus**, *n.s.* Sub-ovate, moderately convex, piceous; covered with small, flat, greyish-brown scales and pallid setæ; antennæ and tarsi obscure-red.

*Rostrum* shorter than thorax, moderately stout, dilated apically, not obviously carinated, punctate and squamose; the sides and apex fringed with pale hairs; *scrobes* apical, visible from above, indefinitely prolonged obliquely. *Antennæ* reaching backwards to base of thorax; the *scape* to its apex gradually thickened, bearing grey hairs. *Funiculus* 7-articulate, the two basal joints nearly equal, the others decrease in length, obconical; *club* oblong-oval, 3-jointed. *Eyes* free, rather depressed, obliquely oval, moderately faceted. *Prothorax* about as long as broad, without distinct ocular lobes, having only a wide, slight incurvature behind the eyes; base feebly rounded, the sides broadly; punctate and squamose, exhibiting slight inequalities of surface, and a broad oblique impression towards each front angle. *Scutellum* minute. *Elytra* elongate-cordate, a little wider than thorax, and incurved, at the base, shoulders oblique, narrowed and deflexed behind; disc but little convex, almost striate-punctate, the third and fifth interstices moderately elevated at the top of the hind-slope; apex griseous and greatly narrowed. *Femora* clavate; *tibiæ* flexuose, the anterior mucronate, posterior expanded and hollowed at apex; tarsi stout. *Underside* rather densely clothed with fine elongate greyish hairs; two basal segments of *abdomen* large, broadly impressed on the middle; apex of *prosternum* deeply incurved.

I have not seen any authentic exponent of this genus; but this species, though apparently rather narrow, seems to agree structurally with the diagnosis, so far as I can judge. The elytra, though much narrower than in an Australian *Perperus* near the middle, are certainly broader at the base. Nos. 1231 and 1232 belong to *Irenimus*.

Length (rost. incl.), 3 lines; breadth,  $1\frac{1}{2}$ .

Dunedin: Mr. T. Chalmer. One example.

1518. **I. bicostatus**, *n.s.* Piceous, covered with greyish-brown scales and short grey setæ, legs and antennæ obscure-red, bearing greyish hairs.

*Rostrum* shorter than thorax, punctate and scaly. *Prothorax* longer than broad, sub-truncate at base, obtusely rounded laterally, widest before the middle, obliquely impressed in front, longitudinally at the base, presenting a somewhat rough or uneven appearance, yet neither tuberculate nor rugose. *Scutellum* small. *Elytra* elongate-cordate, sub-acuminate behind, broader than thorax, and slightly incurved at base; dorsum slightly convex, sub-striate-punctate, third and fifth interstices elevated from the base to the posterior declivity, where they assume the form of nodose elevations. *Underside* covered with longish pallid hairs.

Like *I. pilosellus*, larger, and with costiform elytral interstices. Both are similar in structure.



Length (rost. incl.),  $3\frac{3}{4}$  lines; breadth,  $1\frac{1}{4}$ .

One individual, broken. Mr. T. Chalmer, Dunedin.

1519. *I. tibialis*, *n.s.* Narrow, convex, piceous, clothed with flat, brownish-grey scales and curved grey setæ; antennæ red; tibiæ and tarsi fusco-rufous.

*Rostrum* shorter than thorax, medially carinated, its scales reddish-grey. *Prothorax* rather broader than long, widest before the middle, base feebly rounded; its punctation concealed, convex, but without superficial irregularities. *Scutellum* small. *Elytra* incurved at base, where they hardly exceed the thorax in width; humeral angles oblique, sides sub-parallel, very gradually narrowed and not abruptly declivous behind; striate-punctate, third and fifth interstices a little elevated and nodose on the top of the hind-slope; the squamosity variegate, consisting of greyish scales and setæ behind, grey, yellowish-grey, and pitchy ones on the disc, but nowhere forming a spotted appearance. *Legs* covered with scales and grey hairs; the front pairs of tibiæ flexuose, the posterior incurved.

Undoubtedly congeneric with the preceding species notwithstanding the narrow hind-body, which is very gradually and not much narrowed behind, so that the apex is quite obtuse. The regular incurvature of the hind tibia is quite unlike the usual flexuous form.

Length (rost. incl.),  $2\frac{3}{8}$  lines; breadth,  $\frac{7}{8}$ .

I picked out my specimen from amongst a small collection received from Mr. A. G. Harvey, of the Hutt, Wellington.

1520. *I. stolidus*, *n.s.* Narrow, moderately convex, fusco-piceous; covered with minute yellowish and whitish-grey scales and setæ, those of the latter colour predominating, particularly behind; antennæ fusco-rufous; legs more obscurely coloured.

*Rostrum* about as long as thorax, dilated apically, with a fine median carina, its punctures squamose. *Antennæ* bearing grey hairs, reaching to base of thorax, the scape attaining its apex; scape gradually incrassated; first joint of funiculus largest, obtriangular, second and third of nearly similar form, but smaller; seventh larger than sixth; club elongate, oblong-oval. *Prothorax* about as long as broad, obtusely rounded laterally, base and apex sub-truncate; disc convex, its punctation not coarse and concealed by the clothing. *Scutellum* small, triangular. *Elytra* elongate-cordate, shoulders oblique, not twice the width of thorax, attenuated and compressed behind; striate-punctate, the punctures oblong, the third and fifth interstices, and the suture behind, somewhat elevated. *Legs* clothed in the same way as the body; posterior tibiæ cavernose at apex. *Underside* piceous, coxæ and base of femora rufescent; clothed with rather long yellowish-grey hairs; apex of *prosternum* curvedly emarginate; base of *metasternum* with a median fovea-like depression; the two basal segments of *abdomen* large, equal, broadly impressed medially.

A narrower form than *I. pilosellus*, with fewer scales but more setæ, and less evident sculpture.

Length (rost. incl.),  $2\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ .

Taieri, Otago: Mr. S. W. Fulton. Four examples.

## Tigones.

*Nov. gen.*

*Rostrum* shorter than thorax, narrower than the head, slightly narrowed before the middle, dilated and triangularly grooved near the apex, more or less finely carinated; *scrobes* deep, apical, visible from above. *Antennæ* moderately long; *scape* gradually incrassated, attaining the thorax; *funiculus* 7-jointed, basal joint largest but not very elongate; second similar in form but smaller, joints 3-7 sub-obconical; *club* tri-articulate, oblong-oval. *Eyes* distant from thorax, prominent, longitudinally oval, moderately faceted. *Prothorax* quite as long as broad, truncate or indistinctly bisinuate at base, without distinct ocular lobes. *Scutellum* distinct. *Elytra* cordate or oblong-cordate, a little broader at base than the thorax, humeral angles oblique, apices more or less produced. *Legs* moderately long, robust; *femora* clavate; *tibiæ* flexuose, the anterior mucronate, the others narrowed beyond the middle, considerably expanded and cavernose at apex, and denticulated along their inner or front face; *tarsi* hispid, their basal joint rather shorter than the apical and thickened at the extremity, second short, triangular, penultimate bilobed, claws simple. Anterior *coxæ* prominent, contiguous; intermediate rounded, separated by the narrow mesosternal process; posterior distant. *Metasternum* short. *Abdomen* with five segments, basal largest, inter-coxal process obtuse, second about as long as the following two, its hind suture straight, the anterior oblique towards each side. *Epipleuræ* narrow.

Allied to *Irenimus*, but with prominent eyes, &c.

*Asaphia* is another cognate form, but in that genus the elytra are nearly twice the width of the thorax at the base, with prominent, obtusely rectangular, humeral angles; it is distinguished from *Irenimus* and the Australian *Perperus* in having prominent eyes.

1521. **T. caudata**, *n.s.* Sub-ovate, moderately convex, fusco-rufous, densely covered with small, depressed, sometimes yellow, sometimes greyish, scales, intermingled with fine, erect, pale setæ; antennæ red.

*Rostrum* shorter than thorax, dilated apically, with a fine median carina, punctate and squamose. *Antennæ* elongate, with greyish hairs; *scape* shorter than funiculus, extending backwards to apex of thorax; first joint of the funicle stouter but not much longer than second, joints 3-7 decrease in length but become slightly broader, the three last being nearly moniliform. *Prothorax* quite as long as broad, narrowed in front, rounded at the middle, nearly straight, yet a little narrowed, behind; its posterior angles, owing to scales and setæ, appearing to project; punctate, without inequalities of surface. *Scutellum* distinct. *Elytra* cordate, broader than thorax at base, more so near the middle, shoulders oblique, gradually narrowed, and declivous, posteriorly, apices considerably produced

but scarcely divergent; striate-punctate, but appearing striate, the suture and alternate interstices slightly elevated behind. *Legs* clothed with scales and setæ. *Underside* clothed like the upper.

The fifth interstices are most elevated and terminate abruptly half-way down the declivity, but not so as to be tuberculate. In one small specimen the scales are quite yellow.

Length (rost. incl.),  $2\frac{3}{4}$  lines; breadth, quite 1.

Six specimens were sent from Dunedin by Mr. T. Chalmer.

1522. **T. osculans**, *n.s.* Sub-ovate, moderately convex; obscure brownish-red, closely covered with small flat scales and erect slender setæ, the former varying from yellow to grey, antennæ and tarsi red.

*Rostrum* shorter than thorax, more or less finely keeled, except the apex, squamose. *Prothorax* rather longer than broad, obsoletely bisinuate at base, widest near the middle; its punctation concealed. *Scutellum* distinct. *Elytra* sub-cordate, shoulders oblique, apices slightly and rather obtusely produced, striate-punctate, the suture and alternate interstices a little raised posteriorly.

Intermediate between *T. caudata* and the following species. From the former it differs in having a rather longer and narrower thorax and hind-body, with less, and quite obtusely, produced apices. The structure of the legs and antennæ is precisely similar in both species. It is somewhat variable in form and coloration.

Length,  $2\frac{1}{4}$ – $2\frac{1}{2}$  lines (rost. incl.); breadth,  $\frac{7}{8}$ .

Discovered by Messrs. T. Chalmer and S. W. Fulton, near Outram, Taieri.

1523. **T. certa**, *n.s.* Fuscous, covered with small fusco-testaceous scales, and fine erect greyish and fuscous setæ; legs and antennæ ferruginous.

*Rostrum* longer than head but much shorter than thorax, with a fine central carina, squamose. *Scape* with greyish hairs; club pubescent. *Prothorax* quite as long as broad, constricted anteriorly, but little rounded laterally, base sub-truncate; it is a little uneven above, with a medially-interrupted ridge on the dorsum; its punctation is hidden by the scaly covering. *Elytra* cordate, apices produced and divergent, a little sinuate at base, shoulders oblique, the sides but little curved, narrowed and deflected posteriorly; striate-punctate, but appearing quite striate; the suture and the third and fifth interstices elevated just before the top of the hind-slope, the fifth ending in a tubercular (small) elevation near the apex; they are marked with an indistinct, pale, obliquely-curved fascia behind the posterior femora.

Broader than *T. caudata*, more uneven above, the elytra with divaricate apices. Tibiæ denticulate.

Length (rost. incl.),  $2\frac{7}{8}$  lines; breadth,  $1\frac{1}{4}$ .

Described from one example from Mr. S. W. Fulton, Outram.

1524. **T. grisea**, *n.s.* Obscure fusco-rufous, covered with



small depressed, grey and greyish-yellow scales, and pallid setæ; legs and antennæ ferruginous.

*Rostrum* shorter than thorax, punctate and squamose, medially carinate. *Prothorax* sub-cylindrical, quite perceptibly longer than broad; its sides but little curved, the sculpture concealed. *Scutellum* sub-triangular. *Elytra* rather narrow, but broader than thorax, shoulders oblique, the sides very slightly rounded, gradually narrowed and sloped behind; apices divergent, but not acutely prolonged; striate-punctate, the suture raised behind; the third and fifth interstices less elevated. *Legs* robust, rather long, particularly the anterior; the front tibiæ rather strongly produced at the extremity, and as distinctly denticulated inwardly as the posterior.

Longer than *T. osculans*, the elytra more parallel-sided to beyond the middle, with decidedly longer and obviously denticulated front tibiæ.

Length (rost. incl.),  $3\frac{1}{8}$  lines; breadth, quite 1.

Near Outram. One individual found by Mr. S. W. Fulton.

1525. **T. cervina**, *n.s.* Fuscous, clothed with flat brown and greyish scales, those of the latter colour forming an oblique interrupted fascia on each elytron (behind); legs ferruginous, antennæ dark-red; not very convex.

*Rostrum* not so long as thorax, with a fine costa along the middle, squamose. *Prothorax* longer than broad, sub-cylindric, somewhat uneven, its punctation concealed by the scales, those of the paler colour forming a more or less distinct lateral stripe. *Scutellum* griseous. *Elytra* rather long, their sides nearly straight to beyond the middle, from thence narrowed and deflexed; apices divergent and slightly prolonged; striate-punctate, the suture and the third and fifth interstices moderately elevated behind.

Most nearly approaches *T. grisea* in form, but flatter; the beak is relatively longer and narrower, the front tibiæ are shorter and less evidently denticulated, and the setæ are mostly fuscous. There is a considerable amount of individual variation, probably due to sex and abrasion. The most distinctly marked variety has been set out and chosen as the type.

Length (rost. incl.),  $2\frac{3}{4}$  lines; breadth, 1.

Taieri. Messrs. Fulton and Chalmer.

OBS.—No. 1220 belongs to this genus, and must therefore become known as *Tigones cuspidata*.

## Group—ERIRHINIDÆ.

### *Erirhinus* (p. 449).

1526. **E. eustictus**, *n.s.* Sub-ovate, moderately convex, slightly glossy, variegate, ground-colour testaceous with irregular blackish marks, clothed with fine yellowish hairs and whitish hair-like scales.

*Rostrum* arched, slightly dilated apically, moderately slender, longer than thorax, striate, the intervals sub-carinate, fuscous, shining. *Head* pitchy, covered with whitish scales. *Antennæ* inserted midway between the middle and apex of the snout, bearing

grey hairs; scape testaceous, funiculus and club infusate, first joint largest, thickened towards the extremity, second longer than the following ones, which decrease in length; club pubescent. *Prothorax* transversal, constricted in front, rounded laterally, moderately closely and coarsely punctured, with a blackish dorsal streak, clothed with fine yellowish hairs and whitish elongate scales. *Scutellum* small, piceous. *Elytra* broader and nearly three times longer than thorax, striate-punctate, interstices nearly plane and finely punctated, the middle ones forming a slight oblique elevation on each elytron; the space behind the scutellum, a small elongate spot on each side of it, and a large spot at the side of each, not reaching the suture, and extending from the middle to the posterior slope, blackish; the whitish scales form an almost uninterrupted streak from the base to the back part of the black patch. *Legs* robust; femora notched at the extremity, and more or less dentate below; tibiæ flexuose. *Underside* fuscous.

♀. Antennal insertion just before the middle; rostrum longer, more slender, and more feebly striate.

In one example the dark marks are indistinct, and the basal spots have a tendency to unite. It should be placed near *E. acalyptoides* and *E. glottis*.

Length (rost. excl.),  $1\frac{1}{4}$  lines; breadth, quite  $\frac{1}{2}$ .

Habitat, Taieri, Otago. Collected by Mr. S. W. Fulton.

1527. *E. veronicae*, n.s. Variegate, yellowish, shining, the elytral suture always, the thorax and portions of the elytra sometimes, piceous; club fuscous; rather thickly covered with depressed, brassy, scale-like hairs.

*Rostrum* longer than thorax, considerably arched, nearly parallel, striate; antennal insertion half-way between the middle and apex. *Eyes* depressed. *Prothorax* a little transverse, convex, constricted in front, its sides rounded, moderately closely and coarsely punctured. *Scutellum* piceous. *Elytra* broader than thorax and twice its length, with rows of not very close punctures; interstices plane, finely and remotely punctate, appearing impunctate. *Legs* stout, thighs not dentate, tibiæ flexuose. *Underside* distantly punctured, more sparingly clothed than the upper surface; breast and basal segment of abdomen pitchy, the other segments fuscous; intercoxal process rather obtuse, but with a small median angulation.

♀. Rostrum more elongate and slender, less distinctly furrowed, twice the length of thorax; antennal insertion close to the middle.

The rather close covering of brassy, scale-like hairs distinguishes this species; the hairs, however, are apt to become greyish.

Length (rost. excl.),  $1\frac{1}{4}$ – $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$ .

Mr. S. W. Fulton took about a dozen specimens off *Veronicae* on Mount Maungatua, Otago.

1528. *E. thomsoni*, n.s. Testaceous; the club, beak, scutellar region, and a narrow lateral stripe on each elytron, piceo-fuscous, sometimes rufo-fuscous, the thorax occasionally rufescent; sparsely clothed with slender greyish hairs,



*Rostrum* longer than thorax, moderately arched, striate; antennal insertion midway between the middle and apex. *Prothorax* transversal, constricted in front, rounded laterally, its punctation neither very close nor deep. *Scutellum* distinct. *Elytra* broader than, and twice the length of, the thorax; strongly striate-punctate, interstices simple, not distinctly punctate. *Underside* of the same colour as the darker portions of the upper. *Head* minutely and densely reticulated behind. *Eyes* distinct. *Femora* more or less dentate below.

Of about the same size as *E. limbatus*, but with the sides of the thorax more strongly rounded, and therefore appearing more constricted anteriorly.

Length (rost. excl.),  $\frac{7}{8}$  line; breadth,  $\frac{3}{8}$ .

First received from Mr. G. M. Thomson, F.L.S., of Dunedin, and subsequently from Messrs. Chalmer and Fulton.

1529. **E. bicavus**, *n.s.* Sub-ovate, variegate, the derm glossy-piceous; thorax clothed with long but slender greyish hairs, the elytra with fine fulvescent hairs, coarser brassy ones, and feathery scales, forming about a dozen whitish tufts; legs yellow, antennæ fuscous, scape paler in colour than the funicle; club pitchy.

*Rostrum* longer than thorax, arched, sub-parallel, with two rows of punctures and two lateral grooves, the apical portion smooth. *Antennæ* implanted midway between the middle and apex, sparsely clothed with grey hairs, of normal structure; club stout, not elongate. *Prothorax* about as long as broad, constricted in front, the sides nearly straight behind, punctate, the dorsal line least so, with two large frontal cavities. *Scutellum* small. *Elytra* broader and about two times longer than thorax, humeral angles obtusely prominent, apex abruptly deflexed; striate-punctate. *Legs* stout; base of femora blackish, not distinctly toothed; tibiæ flexuous.

A well-marked species. The frontal constriction of the thorax is expanded and deepened inwardly so as to form two obvious transverse cavities. Allied to No. 1257.

♂. Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{1}{2}$ .

I found my specimen on the Waitakerei Range.

1530. **E. melastomus**, *n.s.* Sub-ovate, a little glossy; elytra pale-testaceous, with four small dark spots between the posterior femora and the basal region somewhat darkened; thorax darker than elytra, with two basal spots and a median streak dark-fuscous; the beak infusate, apex usually blackish; scape of the same hue as the beak, funiculus piceo-fuscous; legs testaceous.

*Rostrum* very slender and elongate, twice the length of thorax, arched, feebly striate. *Antennæ* inserted at the middle; basal joint of funiculus clavate and about as long as the following three conjointly, third shorter than second, both cylindrical, joints 4-7 become shorter and thicker, club large, oblong-oval. *Head* punctate, covered with brassy, scale-like hairs; *eyes* moderately prominent. *Prothorax* broader than long, depressed and constricted in front, sides rounded; moderately coarsely punctured, clothed with yellowish-



grey scale-like hairs. *Scutellum* small, pitchy. *Elytra* broader and two times longer than thorax; striate-punctate, the punctures near the suture approximated, so that the sculpture there appears crenate-striate, clothed with slender grey hairs and coarser whitish ones, these latter least obvious on the disc; the three inner striae of each are much depressed apically. *Legs* stout, thighs not dentate below, tibiae flexuose.

This species has the most slender and elongate beak of any of the *Erirehinii* as yet found in Otago.

♀. Length (rost. excl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{2}$ .

Discovered near Outram by Mr. S. W. Fulton. I have seen two females only and no males.

1531. **E. confusus**, *n.s.* Testaceous, thorax and beak usually darker, scape almost rufo-testaceous, the funicle fuscous; the thorax with three elongate pitchy marks; the elytra with two small apical spots, four or six smaller ones in line with the hind-thighs, and the scutellar region, more or less pitchy or infusate.

*Rostrum* longer than thorax, arched, moderately slender, parallel, almost punctate-striate; antennal insertion midway between the middle and apex. *Antennæ* stout, pubescent, first joint of funiculus large, second and third cylindric, the latter the shorter of the two, club distinct, ovate. *Prothorax* much broader than long, strongly rounded laterally, constricted in front, bisinuate at base, punctate. *Scutellum* piceous. *Elytra* broader and nearly three times longer than thorax, striate-punctate, punctures approximated, interstices finely punctured; their clothing rather dense, consisting of rather coarse, depressed, yellowish-grey hairs. *Legs* stout; anterior femora notched and obtusely angulated below, the posterior dentate; tibiae flexuose.

♀. *Rostrum* much more slender, rather longer, more feebly striated, the scrobes beginning before the middle. The thorax is rather short and strongly curved laterally, and the beak is not at all dilated apically in either sex.

Length (rost. incl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$ .

Another of Mr. Fulton's captures at Taieri.

1532. **E. xenorhinus**, *n.s.* Sub-ovate, slightly glossy, testaceous, the thorax with a dorsal streak and two elongate spots near the base dark-brown; the elytra with two small apical spots, and six or eight almost contiguous ones in line with the hind-thighs, piceous; scape rufo-testaceous, funiculus darker.

*Rostrum* rather longer than thorax, stout, parallel, greatly bent, seemingly punctate-striate. *Antennæ* rather short, stout, inserted before the middle, second joint of funiculus not twice the length of the third; seventh transverse; club distinct, ovate. *Prothorax* much broader than long, its sides strongly rounded, contracted anteriorly, rather closely punctured, clothed with yellowish-grey scale-like hairs. *Scutellum* small, pitchy. *Elytra* broader than, and nearly three times the length of, the thorax, convex, sub-oblong, strongly striate-punctate, interstices almost impunctate, 4-6 abbre-

viated and a little elevated behind, clothed with fine and coarse greyish hairs. *Legs* stout, front thighs notched, the posterior almost dentate below.

The chief peculiarity of this insect consists in the form of the snout, the apical half being curvedly bent almost at right angles to the basal.

Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{1}{2}$ .

Mr. S. W. Fulton sent me an example from Taieri.

1533. **E. durus**, *n.s.* Sub-ovate, beak and antennæ nearly rufo-testaceous, thorax testaceous, its apex reddish, with a pitchy median streak; elytra testaceous and pitchy-brown, the latter colour occupying most of the middle of the base, and forming numerous more or less confluent spots, especially behind; legs yellow.

*Rostrum* longer than thorax, moderately stout, arcuated, parallel, rather coarsely sculptured, apparently punctate-striate. *Antennæ* implanted midway between the middle and apex, stout; club well limited. *Prothorax* broader than long, rather obtusely rounded laterally, constricted in front, moderately closely punctured, clothed with yellowish hairs. *Scutellum* small. *Elytra* broader, and at least two times longer, than thorax, sub-oblong, almost punctate-striate, interstices seemingly unimpressed, clothed with slender depressed and semi-erect coarser hairs, of a pale-yellow colour, the latter arranged in rows. *Legs* stout, femora not dentate, tibiæ flexuose.

The rough-looking beak and elytra, the former of nearly the same colour as the antennæ, will lead to its recognition.

♂. Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$ .

My specimen was taken on Mount Maungatua by Mr. Sydney W. Fulton.

1534. **E. fuscoventris**, *n.s.* Sub-ovate, slightly glossy, beak obscure-red; thorax reddish-brown, paler at apex; elytra with a large basal spot; the suture, a lateral stripe, and a large longitudinal space behind the middle of each elytron, dark-brown; the rest of their surface, as well as the legs and antennæ, testaceous-yellow, the club a little darker.

*Rostrum* longer than thorax, arched, slightly dilated apically, punctate-striate. *Antennæ* inserted before the middle; club large, oblong-oval. *Prothorax* transversal, a good deal narrowed in front, its sides well rounded, its punctation tolerably close and coarse. *Scutellum* piceous. *Elytra* broader and about three times longer than thorax, sub-oblong, their sculpture intermediate between punctate-striate and striate-punctate, the intervals plane and finely punctated. Anterior *femora* notched and angulated below, the others dentate. *Underside* fuscous, rather coarsely punctured; and, like the upper surface, clothed with fine greyish hairs.

In general outline, it resembles *E. limbatus*; it is, however, broader, the thorax is more strongly rounded laterally, and the antennal club is much longer.

Length (rost. excl.), 1 line; breadth,  $\frac{3}{8}$ .

I have two examples; they were received from Mr. G M

Thomson, F.S.S., of Dunedin, and Mr. S. W. Fulton, of Outram. Both specimens, I believe, are males.

1535. **E. fulvus**, *n.s.* Sub-ovate, sparingly clothed with coarse golden-coloured and finer pallid hairs; except a pale, irregular, oblique streak, and a minute brownish spot on each elytron, wholly fulvous or pale-castaneous.

*Rostrum* rather longer than thorax, gradually dilated apically, a little arched, punctate-striate; *antennæ* inserted just before the middle, sparsely pilose; club large, ovate. *Eyes* small, flat, with coarse facets. *Prothorax* rather broader than long, well-rounded laterally, very slightly impressed and constricted in front, moderately closely and coarsely punctated. *Scutellum* small. *Elytra* broader than, and quite twice the length of, the thorax, gradually narrowed posteriorly, almost imperceptibly near the base; punctate-striate, or nearly so, interstices simple. Anterior *femora* unarmed, the posterior angulated, but not dentate, below; *tibiæ* nearly straight. *Underside* testaceous, with moderately large shallow punctures and greyish hairs; metasternum longitudinally impressed; second abdominal segment decidedly larger than third or fourth. The almost unicolorous derm and bright-yellow hairs are distinctive.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{1}{2}$ .

My specimen was found near Wellington by Mr. P. Stewart-Sandager.

1536. **E. stramineipes**, *n.s.* Fuscos; thorax sub-opaque, fusco-piceous, its apex pallid; beak paler than elytra, legs straw-coloured; *antennæ*, save the infusate club, yellow; clothed with fine pallid hairs.

*Rostrum* longer than thorax, slightly arcuated, parallel, with two or three rows of punctures at each side. *Antennæ* short, inserted before the middle, club stout, ovate, obsoletely articulated. *Prothorax* broader than long, transversely impressed and a little narrowed in front, but little rounded laterally, its punctuation neither close nor coarse, and more distant on the dorsum, the intervals finely and densely sculptured. *Scutellum* small, tawny-brown. *Elytra* broader and three times longer than thorax, sub-oblong, strongly striate-punctate, almost punctate-striate behind; interstices slightly convex, finely and distantly punctated. *Legs* stout, anterior *femora* simple, the others dentate; *tibiæ* short, bent, third tarsal joint deeply bilobed, claws short and stout. Allied to Nos. 1241 and 1242, not differing structurally.

Length (rost. incl.), 1 line; breadth,  $\frac{3}{4}$ .

Waitakerei Range, Auckland. One example.

### **Aneuma** (p. 455).

1537. **A. ferruginea**, *n.s.* Fusco-rufous, clothed with fine greyish hairs, legs fulvous, beak and *antennæ* ferruginous; sub-ovate.



*Rostrum* not much longer than thorax, a little arched, stout, almost quite parallel, shining, punctate-striate. *Antennæ* inserted midway between the middle and apex, stout, club ovate. *Prothorax* nearly as long as broad, transversely impressed and constricted (slightly) in front, the sides moderately rounded, its punctation tolerably close and coarse. *Scutellum* small. *Elytra* broader than and quite twice the length of thorax, sub-oblong, striate-punctate, interstices nearly flat, and finely and remotely punctated. *Femora* robust, the anterior notched and somewhat angulated, the others dentate; tibiae slightly bent. *Underside* similar in colour to the upper, rather coarsely but not closely punctured, sparsely clothed with fine yellowish hairs. *Metasternum* longitudinally impressed. Third abdominal segment hardly as long as the next two taken together. The pectoral cavity with acute edges and bounded by the coxæ, which do not quite touch one another.

OBS.—No. 797 is congeneric.

Length (rost. excl.), 1 line; breadth, quite  $\frac{3}{8}$ .

Otago: Messrs. Fulton and Chalmer.

### Hypotagea (p. 456).

1538. **H. dissona**, *n.s.* Sub-ovate, rather elongate, fusco-testaceous; the thorax with three (the central longest) blackish marks; the elytra with three elongate basal spots having a tendency to unite, an interrupted flexuous fascia in line with the hind thighs, a broader sub-apical one, and a continuous lateral stripe, piceous; beak infuscate, scape rufo-testaceous, funiculus pitchy-brown.

*Rostrum* rather slender, arched, parallel, elongate, twice the length of thorax, punctate-striate. *Antennæ* inserted near the apex, moderately slender; first joint of funiculus as large as the following two; third cylindric, quite as long as but more slender than fourth: club large, oblong-oval, opaque, pubescent. *Eyes* with coarse facets, slightly convex. *Prothorax* about as long as broad, narrowed and impressed anteriorly, rounded laterally, rather closely and coarsely punctured, and, like the head, bearing a few grey scale-like hairs. *Scutellum* small. *Elytra* broader and quite two times longer than thorax, gradually narrowed posteriorly; strongly striate-punctate, interstices minutely and remotely punctated, plane. *Legs* moderately long and stout; anterior femora simple, the posterior obtusely angulated below; tibiae flexuose, the intermediate abruptly bent inwardly at the extremity, the posterior less so. *Underside* piceous, punctate, clothed with grey hairs; metasternum canaliculate; the two basal segments of the abdomen broadly impressed, the third and fourth not much abbreviated, each appreciably shorter than the second. *Claws* appendiculate.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{1}{2}$ .

Mount Maungatua, Taieri: Mr. Fulton. One example.

### Eugnomus (p. 458).

1539. **E. luctuosus**, *n.s.* Piceo-niger; tarsi, knees, apex of snout, and the antennæ (save the pitchy club) reddish; clothed with

pallid hairs and elongate whitish scales, the latter predominating near the sides and apex of the wing-cases, but not conspicuous.

*Rostrum* as long as thorax, thickened apically, coarsely punctate; *head* plane, closely and coarsely punctated. *Prothorax* not transversal, sub-conical, rather narrow, not much constricted in front, very closely and coarsely punctured. *Scutellum* greyish, sub-triangular. *Elytra* elongate, not twice the breadth, but quite twice the length, of the thorax, humeral angles obtusely rectangular, sides but little curved, gradually narrowed behind; striate-punctate, the punctures quadrate and somewhat approximated, interstices almost plane, finely punctated. Two front pairs of *thighs* incrassate but not dentate, the posterior notched, and moderately angulated below; *tibiae* slightly bent. *Underside* closely punctate, sternum densely covered with soft, elongate, depressed whitish scales and slender hairs; *abdomen* infusate, with fewer scales, its fifth segment much curved, and depressed apically. The thorax is more cylindric than usual, and the hind-body rather parallel-sided.

Length (rost. incl.),  $1\frac{7}{8}$  lines; breadth,  $\frac{1}{2}$ .

I caught four or five specimens on the Waitakerei Range.

### Oreocharis.

*Nov. gen.*

*Rostrum* cylindrical, of variable length; scrobes sub-apical, very oblique, convergent below. *Antennæ* implanted near apex; scape slender, flexuous, gradually thickened towards the extremity; *funiculus* shorter than scape, 6-articulate; first joint largest, sub-triangular; second rather shorter and much more slender; 3-6 obconical; *club* compact, indistinctly articulated, apparently 4-jointed (the two basal and the last one small), as large as funiculus. *Eyes* distant from thorax, rounded, moderately prominent, distinctly faceted. *Prothorax* conical or sub-cylindrical. *Scutellum* distinct. *Elytra* broader than, and at least twice the length of, thorax; humeral angles not acute, sub-parallel or gradually narrowed behind. *Legs* elongate; anterior *femora* notched at apex, the intermediate deeply notched and angulated below, the posterior compressed and very strongly produced; two front pairs of *tibiae* slightly flexuose, the other pair considerably bent inwardly, and dilated, near the middle; *tarsi* moderate, penultimate joint deeply bilobed; *claws* stout, thickened at base. Anterior *coxæ* prominent, almost contiguous, the middle pair not so far apart as the posterior. *Meta-sternum* moderate, convex; *abdomen* elongate, basal segment large, third and fourth short, but not much abbreviated; fifth considerably rounded apically in the middle and broadly impressed.

Intermediate between *Eugnomus* and *Stephanorhynchus*.

No. 1267, although represented in my collection by a specimen destitute of hind-legs, must be removed to this genus and become known as *Oreocharis cyanea*.

1540. *O. nigriceps*, n.s. Castaneo-rufous, slightly glossy, last

joint of tarsi infusate; head, beak, and apex of thorax black; antennæ fuscous, club blackish; sparsely pilose.

*Rostrum* not twice the length of thorax, distinctly narrower than the head, arcuated, thickened apically, punctate, the punctures more or less confluent longitudinally. *Head* oblong, vertex plane, rather coarsely and closely punctated. *Prothorax* a little broader than long, narrowed and a little constricted anteriorly, not so closely sculptured as the head. *Scutellum* distinct. *Elytra* broadest at base, gradually narrowed posteriorly, less convex than thorax: striate-punctate, the punctures quadrate and somewhat approximated, interstices slightly convex, finely punctured, slightly rugose. The *clothing* consists of slender hairs nearly of the same colour as the derm, and, consequently, not readily perceptible. *Underside* reddish-chestnut, punctate, clothed with yellowish hairs. Posterior *femora* strongly dentiform underneath, *tibiæ* arcuated inwardly.

Length (rost. incl.),  $1\frac{3}{4}$ —2 lines; breadth,  $\frac{5}{8}$ .

I am indebted to Mr. S. W. Fulton, of Outram, for two, and to Mr. T. Chalmer, of Dunedin, for one, examples—all mutilated, however. They were taken on Mount Maungatua, Otago.

1541. **O. picigularis**, *n.s.* Narrow, moderately convex, a little shining, pale reddish-chestnut, beak reddish with pitchy sides, back part of head blackish, tarsi and antennæ fulvescent, club infusate.

*Rostrum* as long as thorax, cylindric, scarcely thickened at apex, coarsely punctate. *Antennæ* moderate, basal joint of funiculus stout, club elongate-oblong, as long as the funicle, sub-opaque and pubescent. *Head* rather broad, coarsely punctured. *Prothorax* as long as broad, constricted in front, sub-conical, sculptured like the head. *Scutellum* distinct. *Elytra* not twice the breadth, but three times the length, of the thorax, sub-parallel; striate-punctate, interstices slightly convex, so punctated as to appear rugose. *Body* sparingly clothed with slender fulvescent, rather inconspicuous hairs. *Legs* stout, the middle *thighs* obviously toothed below, the posterior with a robust, angulated, compressed spiniform process, *tibiæ* of the latter considerably arcuated.

A much narrower form than the typical species, more elongate, the thorax narrower and longer, the head broader, and, consequently, the eyes farther apart.

Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{1}{2}$ .

I picked out one specimen from amongst a general collection of beetles sent by Mr. S. W. Fulton from Mount Maungatua.

1542. **O. nigrescens**, *n.s.* Blackish, tarsi fuscous, clothed with short, easily seen, cinereous hairs.

*Rostrum* nearly as long as thorax, slightly thickened at apex, coarsely punctate. *Head* broad (as broad as front of thorax), punctate. *Prothorax* rather longer than broad, conical, just perceptibly constricted in front, coarsely punctate. *Scutellum* distinct. *Elytra* broader than, and nearly three times the length of, the thorax, sub-parallel; striate-punctate, interstices nearly plane, finely punctated and rugose. Intermediate *femora* strongly dentate, but not so much



as the posterior: *tibiæ* flexuose, the posterior most so. *Antennæ* normal.

Resembles *O. picigularis* in form, the clothing, not altogether owing to the contrast in coloration, more obvious, the snout proportionally shorter, and the thorax longer and less evidently constricted in front.

Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{1}{2}$ .

One broken specimen, collected by Mr. S. W. Fulton on Mount Maungatua.

### Stephanorhynchus (p. 462).

1543. *S. griseipictus*, n.s. Variegate, derm black, covered with fine elongate scales, some white, others yellowish-grey or pale-brown; antennæ and tarsi infuscate.

*Rostrum* as long as head, stout; *head* ovate-oblong, constricted behind, vertex convex, punctate, neck transversely wrinkled; *eyes* prominent, not very large, rather far apart. *Antennæ* slender, of the orthodox pattern. *Prothorax* conical, considerably narrowed and constricted in front, quite as long as broad, punctate. *Scutellum* yellowish. *Elytra* sub-oblong, greatly exceeding the thorax in width and length, humeral angles slightly but obtusely prominent, apices rounded singly, leaving a sutural notch between them; each with a very large, compressed tubercle near the suture behind the middle, an elongate but not much elevated one at the base, two others near the side, and three or four ill-defined costæ. *Legs* long, two front pairs of *thighs* simple, the posterior very strongly angulated, dentate below; all the *tibiæ* arcuated, the hind pair most strongly.

Its nearest ally is *S. lawsoni*; this species, however, is decidedly broader, the eyes are smaller and more remote. In both species the head and beak are simple. The name *Stephanorhynchus* ought, in my opinion, to be restricted to *S. curvipes*, *S. brevipennis*, and *S. tuberosus* at present. *S. lawsoni* and the present are congeneric; *S. crassus* and *S. fatuus* may ultimately form an intermediate genus; but, as Dr. Sharp referred his *S. lawsoni* to this genus, probably with the concurrence of Mr. Pascoe, our greatest authority on the Rhyncophora, I also have used the name for my species.

Length (rost. excl.),  $2\frac{5}{8}$  lines; breadth,  $1\frac{1}{8}$ .

Mr. T. Chalmer forwarded a specimen he discovered in the neighbourhood of Dunedin.

## Group—CRYPTORHYNCHIDÆ.

### Psepholax (p. 478).

1544. *P. mystacinus*, n.s. Ovoid, convex, clothed chiefly with elongate, depressed grey scales, a little shining, piceous; antennæ and tarsi rufescent.

*Rostrum* rather long, nearly smooth, having only a few fine punctures, its sides (in front) fringed with fulvous hairs; head coarsely punctate. *Prothorax* transverse, contracted anteriorly, base bisinuate, apex incurved, moderately coarsely punctured, the squamosity chiefly confined to a broad longitudinal space near each side. *Scutellum* small. *Elytra* with six dorsal striæ (on each)

apparently free from punctures, interstices plane on the dorsum and but little elevated behind, their punctation concealed by variegate, principally piceous and greyish, scales. Intermediate *tibiæ* armed with a distinct median tooth on the outside. *Underside* clothed with coarse grey hairs.

Like *P. rostralis*, but with a longer and narrower snout. In that species the middle *tibiæ* are widely emarginated from the inner apex to about one-fourth their length, the emargination terminating angularly, but not toothed, on the outer edge; in this species the hollow is merely apical.

Length (rost. incl.),  $2\frac{1}{2}$ –3 lines; breadth,  $1\frac{1}{2}$ .

Mr. S. W. Fulton found this species near Outram.

### Tychanus.

1545. **T. quadratus**, *n.s.* Convex, sub-quadrate, longer than broad, slightly glossy, infusate-red, covered with small yellowish scales and erect variegate setæ, those near the apex and sides of the hind-body blackish; tarsi and antennæ ferruginous.

*Rostrum* as long as thorax, moderately arched, slightly thickened and squamose at base, its apex rugose-punctate, from thence to the base tri-carinate. *Antennæ* inserted near the apex; scape slightly thickened and barely reaching the eye: funiculus more elongate, first joint largest and clavate at apex, second similarly formed but more slender, joints 3–6 nearly equal, seventh distinctly larger than the preceding one; club large, oblong-oval. *Eyes* not convex. *Prothorax* twice as broad as long, feebly bisinuate at base, sides rounded, as are also the anterior angles, very obtusely and slightly produced in front; moderately coarsely and closely punctated, with a smooth dorsal elevation. *Scutellum* invisible. *Elytra* quadrate, a little broader than thorax at base, moderately convex, abruptly declivous and obtusely rounded behind; coarsely striate-punctate, the punctures large and square, each elytron appearing as if sex-punctate-striate. *Legs* squamose: anterior *femora* grooved below, with a small tooth on the front edge of the groove only, near the apex; *tibiæ* a little bent, uncinatè, setose. *Pectoral canal* deep, extending into the mesosternum for about half its length. *Underside* rufescent, coarsely punctate, covered with reddish scales. Basal segment of *abdomen* largest, third and fourth conjointly shorter than second.

The insect bears some resemblance to *T. ferrugatus*, but the form of the thorax is essentially different, the middle part of its apex being scarcely produced, whilst the extremity of the wing-cases is simply rounded without forming a protuberant lobe. The form may be said to be oblong-quadrate, but interrupted medially.

Length, 2 lines; breadth,  $1\frac{1}{4}$ .

I have one individual only, found on Tiritiri Island by Mr. P. Stewart-Sandager.

### Acalles (p. 488).

1546. **A. setifer**, *n.s.* Sub-ovate, convex, not uneven, piceous, antennæ and tarsi yellowish-red, setose.

*Rostrum* as long as thorax, a little arched, sub-parallel, its middle part elevated, smooth and shining, the sides with two grooves having a carinate interval between them, the base with erect, yellowish, scale-like setæ, the front with depressed hairs. *Antennæ* medially inserted, shining and nearly nude, funiculus longer than scape, its first joint stout, elongate-obconical, second smaller and sub-cylindric, 3-7 about equal, club ovate. *Prothorax* oviform, rather longer than broad, constricted behind the apex, the latter rufescent, closely and coarsely punctate, clothed with erect, yellow, scale-like setæ and a few decumbent hairs. No *scutellum*. *Elytra* broader than thorax, oviform, coarsely striate-punctate, interstices narrow, bearing rows of setæ very similar to those on the thorax. *Legs* stout, clothed with greyish setæ; *tarsi* moderately broad, second joint transversal, third expanded and bilobed.

Nos. 1275 and 1286 make the nearest approach as regards form: the regular rows of setæ on the elytral interstices, together with the absence of scales and superficial inequalities, will lead to its recognition.

Length (rost. excl.),  $\frac{7}{8}$  line; breadth,  $\frac{3}{8}$ .

I found my specimen on the Waitakerei Range.

1547. **A. posticalis**, *n.s.* Sub-ovate, contracted medially, gradually narrowed towards the front, widest in line with the hind thighs, convex, not uneven, piceous; legs and apex of beak obscured, tarsi and antennæ testaceous-red; clothed with depressed, pitchy and greyish-yellow scales, and similarly-coloured long erect setæ.

*Rostrum* as long as thorax, moderately arcuated, a little dilated apically, sparingly punctured, its base squamose. *Antennæ* implanted just behind the middle, nearly nude; scape short, funiculus like that of *A. setifer*. *Prothorax* rather longer than broad, almost oviform, gradually narrowed, but scarcely constricted anteriorly; punctate; the pale scales, though scattered, have a tendency to congregate along the middle. *Scutellum* invisible. *Elytra* broader than thorax, rather short, sub-cordate, abruptly bent down behind; striate-punctate, interstices plane and rather broad; the paler clothing predominates behind, there are two or three blackish elevations near the middle of each, but in a denuded specimen their surface is destitute of distinct inequalities. *Legs* stout, clothed in the same way as the body.

This insect in general contour and structure resembles No. 1274, and, to some extent, No. 1281, but the thorax is narrower and more perceptibly and gradually narrowed anteriorly without any distinct frontal constriction. In both of these species the hind-body is not very much longer than the thorax, is much rounded from the base (where the width equals that of the thorax), and then rather suddenly narrowed and deflexed behind.

Length (rost. excl.), 1 line; breadth,  $\frac{1}{2}$ .

I have seen two only; they were picked out of a miscellaneous collection forwarded from Taieri by Mr. S. W. Fulton.



## Group—COSSONIDÆ.

## Pentarthrum (p. 508).

1548. *P. melanosternum*, *n.s.* Fusiform, moderately convex, slightly glossy, sparingly clothed with minute greyish hairs; castaneous, the apex of thorax and portions of the hind-body tinged with piceous, legs paler, antennæ rufous, club fulvescent, beak red.

*Prothorax* ovate-triangular, constricted in front, its punctation moderate. *Scutellum* blackish, shining. *Elytra* sub-cylindrical, a little bi-arcuate at base, striate-punctate, interstices with a row of small punctures. *Legs* stout, femora dilated medially and deeply notched at the extremity, tibiæ strongly uncinatæ, tarsi narrow, third joint but little broader than the preceding one. *Underside* glossy, moderately punctured, with excessively short greyish hairs proceeding from the punctures; *prosternum* and three last segments of the abdomen reddish, the rest of the breast piceous; lower surface of the rostrum carinated, head smooth, the *metasternum* with longitudinal linear impressions, basal segment of abdomen feebly impressed.

♂. *Rostrum* broad, parallel, its front part rather finely, the remainder moderately coarsely punctated; antennæ inserted medially (scarcely before the middle), stout, second joint of funiculus slightly longer than third, club ovate, rather short.

♀. *Rostrum* cylindric, shining, moderately finely punctured almost in rows; antennæ implanted a little behind the middle.

A form near *P. zealandicum*, smaller, relatively broader, rather flatter; the eyes of the male quite as prominent, the neck smooth; thorax shorter, more constricted in front, its punctation rather coarser, causing it to appear less nitid.

In the female the snout is shorter and broader than that of the same sex of No. 903.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$ .

Otago. Collected by Messrs. Fulton and Chalmer.

1549. *P. macrocephalum*, *n.s.* Sub-cylindrical, convex, shining, sparsely clothed with minute greyish hairs; piceous, legs and antennæ red, club paler.

*Rostrum* short, broad, parallel, broadly impressed on the middle, its punctation neither close nor coarse. *Antennæ* implanted at the middle, short and stout, bearing a few greyish hairs, second joint of funiculus just perceptibly longer than third; club short, of rather rounded outline. *Head* large, quite as broad as apex of thorax, without the least constriction; the occiput, or neck, nearly free from punctation. *Eyes* moderately prominent. *Prothorax* not much longer than broad, considerably dilated near the base, from thence much, yet not abruptly, narrowed towards the smooth apex, where there is a slight constriction; it is moderately punctured. *Scutellum* small, transverse. *Elytra* cylindrical, base sub-truncate, almost punctate-striate, quite striate behind, interstices with a row of small punctures. *Legs* robust, front tibial hooks not elongate, third tarsal joint a little expanded.

On comparing this species with the male of No. 903 it will be seen that the antennæ are much shorter, and the club decidedly rounder; the rostrum is about one-third shorter and broader; the head is much longer, broader, and destitute of constriction, so that there is no distinct neck; the thorax is so much dilated laterally near the base as to be broader than any part of the hind-body; the posterior margin of the elytra, though not projecting beyond the general outline, is much more distinct; the hind-body, therefore, seems less narrowed apically.

♂. Length (rost. incl.),  $1\frac{5}{8}$  lines; breadth,  $\frac{3}{8}$ .

One example only, from Taieri. Found by Mr. S. W. Fulton.

### Eucossonus.

*Nov. gen.*

*Body* moderately elongate, sub-depressed, setigerous. *Rostrum* stout, shorter than thorax, somewhat arched, widened in front. *Scrobes* deep, expanded towards, and attaining, the eyes. *Antennæ* elongate, inserted before the middle; *scape* flexuous, incrassated apically, reaching backwards beyond the eyes; *funiculus* as long as scape, 5-articulate, two basal joints of nearly equal length, narrow at base, joints 3-5 decrease in length; *club* oblong-oval, articulate. *Eyes* convex, distinctly faceted, distant from thorax. *Head* much narrowed towards the eyes, its back part or neck smooth. *Prothorax* longer than broad, well rounded behind the middle, narrowed and considerably constricted anteriorly so that the apex seems much swollen; disc broadly canaliculate. *Scutellum* moderate. *Elytra* elongate, not twice the length of and but little broader than the widest part of thorax, parallel, base bisinuate. *Legs* rather long; *femora* simple; *tibiæ* nearly straight, obviously uncinatè; *tarsi* stout, second basal joint moderate, third broad, its lobes strongly developed, fourth equalling the preceding three in length; claws simple. *Metasternum* moderately elongate; *abdomen* as long as it, its second segment shorter than first, the latter broadly impressed behind. *Coxæ* distant.

Allied to *Sericotrogus*, differing from it in the unimpressed prosternum, more widely separated and more deeply-embedded coxæ, the anterior particularly, and in the structure of the antennæ and tarsi, &c.

1550. **E. comptus**, *n.s.* Sub-depressed, moderately elongate, ferrugineous, sub-opaque, antennæ and tarsi red, snout dark-red; clothed with yellow scale-like hairs.

*Rostrum* shorter than thorax, the portion before the antennal insertion broader than the back part, apex nearly nude, but with slender hairs on the side, much finer than those behind, moderately coarsely but not deeply punctate. *Neck* nearly smooth. *Prothorax* nearly twice as long as broad, base slightly bi-sinuate, sides well rounded, considerable narrowed towards the swollen apex; dorsum broadly canaliculate or impressed, with coarse shallow punctures. *Elytra* broader than base of thorax but hardly wider than its middle

part, narrowed posteriorly; each elytron with three distinct rows of elongate setæ or coarse hairs, with smaller ones distributed over the surface; their sculpture consists of rows of rather shallow punctures, and the intervals between every two rows appear somewhat elevated. *Antennæ* with a few slender greyish hairs; scape bent, thickened at apex; basal joint of funiculus stoutest, incrassated apically, scarcely exceeding second in length, third rather longer than fourth, fifth shorter than fourth, almost quadrate; club oblong-oval, pubescent. *Underside* blackish, with moderately coarse, shallow punctures, bearing a few fine short setæ; metasternum longitudinally lineated.

♀. Rostrum sub-parallel, shining-red, punctate; *antennæ* inserted medially.

Length (rost. incl.), 1 $\frac{5}{8}$  lines; breadth,  $\frac{3}{8}$ .

I found this fine specimen on the Waitakerei Range.

OBS.—No. 934 must be referred to this genus, so as to become known as *Eucossonus setiger* (Sharp).

## Group—CERAMBYCIDÆ.

### Epheus.

*Nov. gen.*

Elongate, depressed. *Head* exserted, contracted behind, its muzzle quadrate, antennal tubercles strongly obliquely elevated. *Antennæ* filiform, slender, longer than body, densely pubescent, and sparsely ciliated below; basal joint stout, elongate, clavate at apex, second very small, third rather shorter than first or fourth, joints 4-11 about equal. *Prothorax* longer than broad, deeply constricted in front, the sides strongly spined; disc bi-spinose. *Scutellum* curvilinearly triangular. *Elytra* elongate, broader than thorax at base, very widely incurved laterally; apices rounded, exposing the pygidium. *Legs* long and slender; *tarsi* linear, elongate, basal articulation nearly twice the length of the second, third cleft to the base, their soles brush-like. Anterior *coxæ* prominent, sub-contiguous, intermediate more distant. *Metasternum* moderate, convex, canaliculate. *Abdomen* sub-parallel, narrow, on a lower plane than the sternum, its last segment uncovered. *Eyes* large and prominent, coarsely faceted, reniform, their greatest bulk in front.

Allied to *Leptachrous*.

1551. **E. costifer**, *n.s.* Ferruginous, tarsi and palpi fulvous; the margin of each elytron to beyond the middle, and a lateral post-median spot, fulvescent.

*Head* longitudinally grooved, forehead nude, rufous, and rugose; labrum and epistome smooth; the hind part coarsely rugose-punctate and clothed with yellow hairs. *Antennæ* elongate, their last three joints extending beyond the body, densely covered with very short yellow hairs. *Prothorax* longer than broad, considerably constricted in front, each side armed with a very strong, acute spine; disc uneven, with two erect median spines of nearly equal thickness throughout; behind these spines is a bare, coarsely-wrinkled space, but the rest of the surface is more finely sculptured and covered with



bright-yellow hairs. *Scutellum* pubescent. *Elytra*, except near the base, with exceedingly short inconspicuous hairs; broadest at the shoulders, from behind these gradually incurved to within a short distance of the apices, not attenuated posteriorly; apices rounded singly, uncovering the last dorsal segment; disc plane, densely rugose-punctate, each with three dorsal costæ, and a fourth, obsolete at the shoulders, recurved at the extremity so as to be continuous with the raised suture. *Legs* elongate, slender; femora with depressed greyish, the tibiæ and tarsi with fulvous, hairs. *Underside* castaneous, clothed with short griseous hairs; head and prosternum red, transversely wrinkled.

Length,  $9\frac{1}{2}$  lines; breadth,  $1\frac{3}{4}$ .

I captured my specimen at Tuakau, Waikato.

### Group—LAMIIDÆ.

#### *Hybolasius* (p. 609).

1552. *H. apicalis*, n.s. Elongate-oblong, sub-depressed, slightly nitid; fusco-piceous, elytral tubercles and apices of a chestnut colour; base of femora and all but the basal joint of the antennæ a little rufescent.

*Head* granulated. *Prothorax* broader than long, with an obtuse tubercle on each side behind the middle, transversely impressed near base and apex, disc with three obtuse elevations, granulated. *Elytra* moderately punctated to the extremity, densely clothed with cinereous hairs, with two smooth, compressed, basal tubercles, their apices a little prolonged and not contiguous. *Antennæ* elongate, bearing fine long hairs, their basal joint elongate-pyriform, second very short, third and fourth very long, the others decreasing in bulk. *Legs* clothed with grey hairs, thighs inflated.

Allied to No. 1075, smaller; elytral tubercles nude, but well developed; on each elytron there is an indistinctly raised longitudinal space more glossy, and with rather fewer punctures on it than the other parts of the surface. Their pubescence has a tendency to form two or three lateral spots of the same colour as the apices, and they bear some elongate grey hairs near the sides and apex.

Length,  $2\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$ .

Described from one sample found by Mr. W. D. Campbell, Bay of Islands.

1553. *H. piceus*, n.s. Narrow, sub-depressed, obscure-piceous; antennæ, legs, and elytral discs more or less rufescent, clothed with fine ash-coloured pubescence, rather inconspicuous; the legs, antennæ, and apices of elytra bearing elongate grey hairs, the palpi fulvescent.

*Head* densely granulated. *Prothorax* small, densely granulated, obtusely tuberculate laterally, its disc indistinctly tri-tuberculate, base and apex reddish. *Elytra* elongate, apices a little produced, acutely rounded, and not contiguous; their surface nearly plane, broadly depressed before the middle, punctated, basal

tubercles large, but rather obtuse and not tufted. *Antennæ* slender, third and fourth articulations long.

This species should be placed near the preceding one.

Length,  $2\frac{7}{8}$  lines; breadth,  $\frac{3}{4}$ .

One sample in my own collection. Waitakerei Range.

### Group—EROTYLIDÆ.

#### Cryptodacne (p. 640).

1554. *C. vittata*, *n.s.* Sub-oblong, convex, shining, rich dark-brown; the sides of the thorax and half the width of each elytron, except a large lateral spot near the middle, fusco-ferruginous; legs ferruginous, antennæ red; sparsely-clothed with minute, semi-erect, coarse yellowish hairs.

*Head* trigonal, with a few moderately-coarse punctures at each side, its middle part quite smooth. *Antennæ* as long as head and thorax, bearing fine yellow hairs, formed as in *C. synthetica*. *Prothorax* sub-quadrate, the sides very slightly curved, posterior angles rectangular, base bisinuate, emarginated and depressed behind the eyes, transversely impressed at the base, moderately distantly punctured, the middle smooth. *Scutellum* smooth. *Elytra* with rectangular shoulders, from thence gradually narrowed posteriorly, with numerous rows of fine punctures. *Legs* stout; *tibiæ* straight, gradually dilated towards the extremity. *Underside* pitchy-brown, the sides and apex rufescent; the sides and prosternum with confluent punctures; *process* of prosternum quite truncate behind, with raised margins; *metasternum* with a few large punctures on the sides, its middle part minutely punctated; *abdomen* finely punctured, with rather long, straight, yellowish hairs.

Differs from *C. synthetica* in coloration; the middle of the head and thorax smooth, and the anterior *tibiæ* not curved externally as in that species.

Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$ .

Wellington: Mr. P. Stewart-Sandager.

### Group—CRYPTOCEPHALIDÆ.

#### Bryobates.

##### *Nov. gen.*

*Body* sub-conical, moderately convex. *Head* large, immersed nearly to the eyes. *Eyes* large, not prominent, with distinct facets, truncate inwardly. *Palpi* short, stout; the terminal joint of the maxillary minute, conical. *Antennæ* inserted on the forehead rather behind the front part of the eyes, filiform but robust, not so long as the body; basal articulation elongate and somewhat pyriform; second shortest, yet not much abbreviated; joint 3-10 about equal, the intermediate rather longer than the others, eleventh oviform. *Prothorax* transverse, quadrangular, very slightly curvedly narrowed behind, base rounded, posterior angles nearly obsolete, anterior depressed, marginated. *Scutellum* broadly triangular. *Elytra* wider than thorax at base, gradually but very considerably distended behind,

apices obtusely obliquely rounded towards the gaping suture, exposing the three ventral segments. *Legs* long and robust; *femora* arched above, straight below; anterior *tibiæ* straight, gradually dilated apically, apparently unarmed, the others somewhat flexuous; *tarsi* moderate, basal joint largest, sub-oblong, second triangular, third strongly bi-lobed, fourth equal to first in length; *claws* well developed, thickened at base, with dense, coarse, brush-like *soles*. *Prosternum* short, not produced, anterior *coxæ* very prominent, distinctly, but not at all widely, separated. *Mesosternum* deeply hollowed in front; middle *coxæ* slightly raised, as far apart as the posterior, the interval depressed. *Metasternum* rather short; *coxæ* elongate and distant. *Abdomen* narrower than the wing-cases, with five segments; the intermediate short, with straight sutures; the last rounded, on a lower plane than the breast.

I am unable to point out any nearly-allied form.

1555. **B. coniformis**, *n.s.* Shining, nude, dark-blue; legs fulvous; tarsi blackish; basal joint of antennæ fulvous; the other joints similarly coloured at the base, but blackish beyond, pubescent.

*Head* longer than, and nearly as broad as, the thorax; suture of epistome oblique, a little uneven, its vertex with a few wrinkles and punctures. *Prothorax* broader than long, margined, apex truncate, base obtusely rounded, its sides nearly parallel yet visibly curvedly narrowed posteriorly, hind angles obsolete; its surface somewhat uneven, rather coarsely but not densely punctured, the dorsum with fewer punctures, the interstices very minutely punctated. *Scutellum* large, viridescent, finely reticulately sculptured. *Elytra* not closely applied to the thorax, finely margined, bisinuate at base, humeral angles blunt, they are broader than the thorax at the base and twice its breadth behind, their sides and apices abruptly deflexed, apices very broadly rounded, almost obliquely truncated, towards the open suture; their sculpture similar to, but finer than, that of the thorax. *Underside* black, sparingly clothed with greyish hairs. *Abdomen* distantly punctated and appearing slightly rugose.

Length,  $1\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$ .

Discovered by Mr. Sydney W. Fulton, of Outram, and Mr. T. Chalmer, of Dunedin, on moss, Mount Maungatua. I have one pair only.

### Group—EUMOLPIDÆ.

#### Aphilon (p. 629).

1556. **A. monstrosa**, *n.s.* Convex, hemispherical, nude, shining, black; legs and antennæ fusco-testaceous.

*Head* slightly uneven, minutely shagreened, with a few minute punctures, but appearing smooth. *Prothorax* transverse, narrowed but not much curved towards the front; apex incurved, its whole surface minutely sculptured, finely but distinctly punctured, the sides and base nearly smooth. *Scutellum* minute, scarcely perceptible. *Elytra* with several irregular rows of distinct punctures, some smaller ones on the intervals, and closely sculptured in the same way as the thorax. *Legs* stout, *tibiæ* arcuated, *tarsi* pubescent, basal joint sub-



oblong, with rounded hind-angles, very large, second transverse, of moderate size. *Antennæ* with robust basal joint, second a little stouter and shorter than third, joints 3-6 rather slender and about equal, seventh and eighth broader than the preceding ones, ninth and tenth still larger, these four longer than broad, eleventh largest.

There is no probability of this being mistaken for the two previously-described ones of equal size (*A. pretiosa* and *punctata*); the thorax is less transversal, and the enormously-developed basal joint of all the tarsi is quite exceptional.

Length,  $1\frac{5}{8}$  lines; breadth,  $1\frac{1}{8}$ .

I found two specimens on the Waitakerei Range.

1557. **A. sobrina**, *n.s.* Black, shining; legs and antennæ pale-brown.

*Head* finely punctated, labrum reddish. *Prothorax* transversal, very finely and distantly punctured, the sides and base nearly smooth. *Scutellum* quite distinct, triangular, reddish. *Elytra* substriate, each with about ten rows of punctures, the sutural not reaching the middle; the striae are not quite regular, but the punctures follow their course.

Intermediate between *A. monstrosa* and *A. punctatum*: the distinct scutellum and moderately-developed tarsi distinguish it from the former, whilst the elytral sculpture and longer thorax differentiate it from the latter.

Length,  $1\frac{5}{8}$  lines; breadth,  $1\frac{1}{8}$ .

I obtained my specimen on the Waitakerei.

## Group—CNEMACANTHIDÆ.

### Mecodema (p 7).

1557A. **M. litoreum**, *n.s.* Elongate, moderately convex, shining, black, legs and antennæ dark rufo-piceous, tips of palpi rufescent; body bearing many long ferruginous bristles.

*Head* with numerous fine punctures between the eyes, slightly transversely wrinkled, irregularly rugose in front; labrum obtusely rounded; eyes prominent. *Prothorax* cordiform, sides obtusely rounded, considerably yet not very abruptly narrowed behind, posterior angles blunt, the anterior a little rounded; base and apex ciliated, the former deeply, the latter more feebly arcuate-emarginate; marginal channels with a row of hispid punctures, dorsal groove well marked and terminating in the curved frontal impression, the disc with some transverse rugæ least evident on each side of the middle, basal fossæ large and close to the angles, base somewhat depressed. *Elytra* elongate-oval, each wing-case with eight finely-punctured striae (besides the lateral sculpture, consisting of large punctiform impressions becoming rugose posteriorly); the first, third, fifth, seventh, and ninth interstices broader than the others, the third, fifth, and seventh with from two to six large punctiform impressions, the posterior sculpture confused and rugose. *Legs* elongate; anterior tibiæ with shallow punctures along their inner face, the outer extremity prolonged; intermediate with many spini-

form bristles, denticulated on the hind edge, roughly sculptured externally, outer extremity angulated; posterior without denticles, less coarsely impressed, not angularly produced. *Underside* pitchy-black, with a few punctures along the sides, most obvious on the episterna; the last abdominal segment densely but finely strigose.

Should be located next to *M. alternans*. The coarse interstitial punctures on the wing-cases are quite at variance with those assigned by the late Count de Castelnau to that species.

Length, 11 lines; breadth,  $3\frac{1}{8}$ .

Described from one example found by Mr. S. W. Fulton, on the sandhills, Taieri Beach, Otago.

### Metaglymma (p. 11).

1558. *M. rufipes*, *n.s.* Convex, sub-oblong, reddish-black, glossy; legs, antennæ, and palpi red.

*Head* rather small, the frontal suture deep and bent forward in line with inner edge of mandibles, sometimes with an interocular depression; eyes prominent; labrum broadly rounded; mandibles striate inwardly above and punctate outwardly. *Prothorax* about as long as broad, its sides well rounded, a little sinuated towards the obtuse posterior angles; its lateral margins but slightly (if at all) expanded, quite obsolete before reaching the basal foveæ, the channels with hispid punctures; median furrow not attaining the apex, most distinct behind, basal fossæ large and close to the angles. *Elytra* broader than thorax, ovate-oblong; each with eight strongly punctured striæ in addition to the external sculpture, which is separated from them by a broad smooth interval; the sutural striæ reach the apices, the rest of the posterior sculpture is irregular. The outer angle of all the *tibiæ* more or less prolonged, the two hind pairs denticulated and bearing fulvous bristles.

Nearly allied to *M. monilifer*: the thorax with blunt hind angles, the sides not expanded, not striate, its general contour more ovate-cordate, being gradually narrowed behind instead of being abruptly contracted at the base. Elytral interstices scored with numerous transverse lines. The body more brightly coloured.

Length,  $8\frac{1}{2}$  lines; breadth,  $2\frac{1}{2}$ .

Found near Outram, Otago, by Mr. S. W. Fulton.

### Group—ANCHOMENIDÆ.

#### Anchomenus (p. 20).

1559. *A. oreobius*, *n.s.* Sub-depressed, not elongate, dark piceo-fuscous, the suture and lateral rims of elytra and hind angles of thorax somewhat rufescent, legs and coxæ testaceous-brown, antennæ and palpi fusco-rufous, not very glossy.

*Head* convex, mandibles and labrum reddish, the latter widely but not deeply emarginate. *Prothorax* quadrate, transverse, rounded anteriorly, moderately sinuously narrowed behind, posterior angles not acute; basal fossæ large, having a broad curved impression proceeding from each but not attaining the front, median groove fine but distinct, the surface with fine transverse striolæ. *Elytra* oviform,

a good deal sinuated posteriorly, apices obtuse, humeral angles rounded and rather narrow; finely striate, the grooves hardly perceptibly punctured; interstices plane, third more or less evidently tripunctate; side rims sharply defined. *Underside* pitchy-brown. *Legs* moderate, the intermediate and posterior tarsi grooved above.

Differs from *A. otagoensis* by its relatively broader form, by its transversal thorax, less obviously punctured elytral striæ, &c.; from *A. sandageri* by its differently shaped thorax, shorter head, more feeble elytral grooves, &c. The latter species, judging from Dr. Sharp's diagnosis, is allied to No. 1328.

♂. Length, 4 lines; breadth,  $1\frac{3}{8}$ .

One taken on the summit of Mount Maungatua, Taieri, by Mr. S. W. Fulton.

## Group—FERONIIDÆ.

### *Trichosternus* (p. 31).

1560. **T. alternus**, *n.s.* Black, shining, elytra somewhat viridescent laterally; legs and antennæ piceous; tips of the palpi rufescent.

*Head* moderately broad; eyes prominent, their orbits suddenly narrowed behind. *Prothorax* transversely quadrate, medially incurved apically, widely, but not so deeply, at the base; its sides moderately curved, a good deal sinuously narrowed, and, for a short distance only, quite straight behind, posterior angles rectangular; dorsum smooth and convex, the median groove and basal fossæ well developed. *Scutellum* striate at base. *Elytra* oviform, shoulders slightly dentate; punctate-striate, the third, fifth, and seventh interstices considerably broader than the others, the fifth and seventh tripunctate, lateral and apical sculpture normal.

The thorax is much more sinuously and not so gradually narrowed behind as in Nos. 72 and 1333; the elytral sculpture is rather irregular, is dissimilar to that of all the other known species, with convex interstices.

♂. Length,  $8\frac{1}{2}$  lines; breadth, 3.

One was found by Messrs. Cheeseman and Urquhart on the mountains near Lake Tekapo, at an elevation of about 6,000ft.

1561. **T. urquharti**, *n.s.* Shining, black, the striæ and sides of elytra greenish; legs rufo-piceous; palpi pitchy-red, paler at the extremity.

*Head* of moderate size, with the usual sculpture and prominent eyes. *Prothorax* transversely quadrate, a good deal, and rather abruptly, sinuously narrowed behind, straight just at the hind angles, these slightly projecting, base and apex ciliate and arcuate-emarginate; the dorsal groove and basal fossæ well marked; the former ends in the curved frontal impression, which becomes more distinct near the anterior angles. *Scutellum* striate at base. *Elytra* oblong-oval, humeral angles prominent, distinctly punctate-striate, interstices slightly convex, the third, fifth, and seventh a little broader than



the others, the third with three, the seventh with four or five large punctures; lateral sculpture normal.

When compared with *T. temukensis* and *T. sylvius* it will be seen that the marginal channels of the thorax are not expanded posteriorly, that its sides are more deeply and suddenly incurved behind, and that the elytra are more decidedly oblong. The deep well-defined furrows of the wing-cases, together with their distinct and regular punctation, are quite distinctive. The female is rather longer and the hind-body relatively narrower than in the other sex.

♂. Length,  $9\frac{1}{2}$  lines; breadth,  $3\frac{1}{2}$ .

I possess one pair collected by Messrs. T. F. Cheeseman and A. T. Urquhart on the mountains in the vicinity of Lake Tekapo; elevation 2,500ft. to 6,500ft.

OBS.—The same gentlemen brought to me from the Otira Gorge a perfect male specimen of *Trichosternus enysi*. In it the posterior thoracic angles appear slightly more prominent than in the much-mutilated type; the middle thighs are not only much swollen or subdentate below, as if notched near the extremity, but the tibiæ of the same pair are somewhat laterally compressed and expanded, and rather pointed at the apex. In the female the punctation of the elytral striæ is finer, and the interstitial punctures seem almost obliterated. The marginal channels of the thorax are widened behind, and the basal fossæ being curved outwardly give a somewhat flattened aspect to these parts.

1562. **T. curvipes**, *n.s.* Oblong, moderately convex, shining, black tinged with green, the latter colour most apparent on the depressed parts; legs pitchy-red, the tarsi and palpi paler, the latter with rufescent tips.

*Head* with irregular wrinkles on its vertex, and coarser longitudinal ones between the frontal foveæ; eyes prominent, the post-ocular parts not distended. *Prothorax* large (nearly  $3 \times 2\frac{1}{2}$  lines), broader than long, widest at the middle, a good deal rounded anteriorly, not greatly narrowed behind, with a moderate sinuosity just before the slightly projecting angles; apex ciliated, arcuate-emarginate; base widely but not deeply incurved at the middle; disc moderately convex, median furrow deep throughout, lateral rims fine in front, widened and flattened behind; marginal channels expanded posteriorly; basal fossæ rather narrow; with some fine rugæ, those in front longitudinal. *Scutellum* smooth behind. *Elytra* oblong-oval, shoulders prominent, punctate-striate, the punctures fine; interstices a little convex, third, fifth, and seventh broadest, the seventh with five or six large punctures. *Legs* robust; femora incrassate, but not dentiform underneath; posterior tibiæ considerably curved outwardly. *Underside* black, the head and sides more or less impressed with fine irregular lines.

This is the only described *Trichosternus* with distinctly bent hind tibiæ.

♂. Length,  $9\frac{1}{2}$  lines; breadth,  $3\frac{1}{2}$ .

One broken specimen was picked out of a miscellaneous collection sent from Taieri by Mr. S. W. Fulton.

**Holcaspis** (p. 37).

1563. **H. impiger**, *n.s.* Elongate-oblong, medially narrowed, slightly convex, glossy, black, legs and antennæ nigro-piceous, tips of palpi castaneous.

*Head* with some fine punctures near the eyes, sometimes extending across the occiput. *Prothorax* quadrate, scarcely broader than long, base and apex more or less incurved in the middle, sides moderately rounded, a little narrowed but not much sinuated behind, posterior angles slightly projecting; the dorsal groove expanded near the apex, where it ends in a more or less obvious depression, basal fossæ elongate, with a second smaller one beyond, the disc with fine rugæ. *Scutellum* striate. *Elytra* ovate-oblong, shoulders dentate; each elytron with eight irregular, punctated striæ, the two sutural generally catenulated, the fourth interstice broadest, the punctiform impressions beyond the eighth stria large, the whole sculpture irregular posteriorly.

In the *female*, and indeed in the other sex occasionally, several of the interstices assume a chain-like appearance; even in individuals of either sex the sculpture seen on one elytron does not exactly resemble that on the other.

*Legs* stout, hind tibiæ—especially of the male—distinctly curved. *Underside* black, head more or less punctate, the episterna rugose-punctate.

The elytral sculpture bears some resemblance to that seen on *H. catenulata*, but the form of the thorax is essentially different.

Length,  $5\frac{1}{2}$ –6 lines; breadth,  $1\frac{3}{4}$ –2.

I have seen two pairs: one found by Mr. T. Chalmer on Flagstaff Mountain, near Dunedin; the other by Mr. S. W. Fulton at the trig. station, Mount Maungatua.

**Haptoderus** (p. 41).

1564. **H. calathoides**, *n.s.* Oblong, not broad, convex, shining; legs and three basal articulations of antennæ rufo-piceous, remaining joints of these latter, the tarsi and palpi, nearly ferruginous, the rest of the body black.

*Head* moderately large, constricted behind the eyes, frontal impressions indistinct; mandibles rufescent and somewhat strigose above; labrum truncate; eyes rather prominent, their orbits a little inflated behind. *Prothorax* scarcely broader than long, quite as narrow in front as at the base, its sides very obtusely rounded, not perceptibly sinuated behind, posterior angles acutely rounded, lateral margins distinct and reflexed but depressed posteriorly; dorsum with feeble striolæ, median groove distinct but a little abbreviated, basal fossæ elongate, narrow, the space between them and the angles depressed, with mere traces of a second elongate impression near each angle. *Elytra* oblong-oval, convex, slightly wider than thorax at the base, the latter feebly bisinuate, humeral angles not dentiform, narrowed and declivous but not sinuated apically; each with a short scutellar and eight well-marked, impunctate striæ, of which the intermediate pairs become confluent behind; interstices

nearly plane, simple; marginal punctures large. *Legs* stout; middle *tibiæ* evidently sulcate externally, posterior less so; three basal joints of anterior *tarsi* in the male dilated, with sponge-like and ciliated soles, the basal articulation subtriangular, the others cordiform, the joints of the others grooved above. *Underside* shining black, coxæ and trochanters rufescent, not punctated, but scored with many fine, irregular, linear impressions.

♀. All the tarsi striate.

Larger than *H. maorinus*, the form of the thorax totally different, more nearly resembling that of the European *Calathus cisteloides*, but more quadrate.

Length, 5 lines; breadth,  $1\frac{3}{4}$ .

I found a male at Whangarata, near Tuakau, and a female just outside the kahikatea bush near Ngaruawahia, Waikato.

OBS.—This is one of the genera instituted by the late Baron de Chaudoir, and treated by Lacordaire as one of the fifty-nine synonyma of *Feronia*. The scutellum being without basal striae separates it from *Holcaspis*: the terminal joints of the palpi are narrowed apically, and the labial briefly truncated; the maxillary, though not pointed, are not truncate.

### Group—ANISODACTYLIDÆ.

#### *Lecanomerus* (p. 46).

1565. *L. stenopus*, *n.s.* Ovate-oblong, rather narrow, convex, shining; head and throat black, elytra greenish-black, their apical margins rufescent; legs, palpi, and two basal joints of antennæ fulvotestaceous, remaining articulations fuscous.

*Head* smooth, frontal foveæ represented by oblique furrows extending from the eyes to the suture of the epistome. *Prothorax* transversely quadrate, not short, regularly convex, finely marginated, hind angles much rounded, obsolete; dorsal line feebly impressed, basal foveæ indistinct. *Elytra* ovate-oblong, not broad, striate, interstices slightly convex; they are not strongly sinuated apically.

Not at all like *L. latimanus*; distinguished from *L. obesulus* and *L. fuliginosus* by its more oblong or narrower contour, by the shape of the thorax, which is regularly rounded laterally, with its posterior angles more curved towards the base, and by the almost total absence of thoracic foveæ and punctuation. The anterior *tarsi* are narrower than in any other New Zealand species.

♀. Length,  $2\frac{1}{2}$  lines; breadth, 1.

One, Howick, Paparoa District, near Auckland.

### Group—BEMBIDIIDÆ.

#### *Bembidium* (p. 55).

1566. *B. tekapoense*, *n.s.* Shining nigro-æneous, tibiæ and palpi piceous; the extremities of these latter, and the tarsi, pitchy-red.

*Head* moderate, greenish, frontal foveæ large and elongate; eyes moderately prominent. *Prothorax* cordate, rather small, well rounded laterally, gradually narrowed until near the base, where its sides are



straight, without projecting angles; side rims distinct, median groove moderate, the surface finely shagreened across, the base longitudinally. *Elytra* ovate, punctate-striate, the two sutural striæ recurved at the apices, interstices nearly plane, the third with three hispid punctures.

Of about the same size as *B. chalceipes*; the thorax rather smaller and not so much rounded at the sides, the elytral disc flatter, with deeper and more sharply defined grooves, most of which reach the apices, the outermost on each obsolete, their punctuation finer. It is distinct from No. 109, being more convex, differently sculptured, &c. Its proper position is undoubtedly next to No. 116.

♀. Length,  $2\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$ .

I selected one specimen from a heterogeneous lot of insects taken on the mountains near Lake Tekapo by Messrs. Cheeseman and Urquhart, January, 1883.

1567. *B. attenuatum*, *n.s.* Ovate, moderately convex, attenuated posteriorly; body dark-blue, shining, head greenish, legs pitchy tinged with blue.

*Head* moderately small, smooth, frontal fossæ large; eyes not very prominent. *Prothorax* cordiform, its sides rounded, sinuously narrowed to the base, hind angles not projecting; depressed and longitudinally shagreened at base, dorsum nearly smooth, median groove and curved frontal impression distinct. *Elytra* obovate, considerably narrowed behind; punctate-striate, the sutural striæ nearly impunctate and recurved at apex, the fourth hardly extends beyond the hind thighs, those beyond still more abbreviated and less deeply impressed; interstices almost flat, third tripunctate.

Another ally of *B. chalceipes*; smaller, the hind-body obovate and much more narrowed apically; the eyes prominent; the thorax rather smaller, less sinuated behind, its lateral-rims following the curvature quite to the base instead of forming short straight sides just before it; the abbreviated scutellar striæ only reach the base, and those nearest the sides become obsolete.

♀. Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$ .

A single individual from the same source as the preceding one (*B. tekapoense*).

### Cillenum (p. 59).

1568. *C. chalmeri*, *n.s.* Convex, elliptically-oblong, shining; head and abdomen dark bronzed-brown; the limbs and the remainder of the body testaceous.

*Head* almost smooth, frontal furrows and ocular setigerous punctures moderately large; eyes moderately prominent; mandibles not greatly curved; the colour is dark on the vertex, becoming much paler in front. Penultimate joint of maxillary *palpi* hispid. *Antennæ* stout, having sub-moniliform joints. *Prothorax* cordate-ovate, convex, gradually narrowed towards the rectangular, but not projecting, posterior angles; with a feebly impressed dorsal groove, curved frontal and transverse basal impressions, the latter obsoletely striated, the hind foveæ small. *Elytra* sub-ovate, broadest behind the curved

shoulders, their apices individually rounded; lateral rims distinct, ending just before the apices; their striae, seemingly impunctate, are tolerably well marked on the disc, but become less evident at the sides and apex; third interstices more or less obviously tripunctate; their whole surface covered with a multitude of minute brassy impressions. *Legs* robust; the two basal articulations of the anterior tarsi of the male strongly expanded and somewhat produced inwardly, particularly the second; the first armed outwardly with two or three spiniform denticles, the third also a little produced. *Underside* testaceous, the apex of terminal segment of abdomen infusate, the rest dark smoky-brown.

Smaller than *C. albescens*; the elytral apices not at all truncate, and the rims less explanate and less abruptly marked off at the extremity.

Length,  $1\frac{3}{4}$ —2 lines; breadth,  $\frac{5}{8}$ — $\frac{3}{4}$ .

Named in honour of its discoverer, Mr. Thomas Chalmers, who pointed it out on the sandspit at Port Chalmers.

### Group—PERICALIDÆ.

#### Scopodes (p. 67).

1569. *S. bryophilus*, *n.s.* Cupreous, shining, legs and basal joints of antennæ greenish-black; moderately elongate.

*Head* with fine longitudinal striolæ behind, and two frontal (interocular) punctures; labrum much rounded, bluish; eyes prominent; the whole surface more or less metallic-green. *Prothorax* rather longer than broad, cordiform, broadest before the middle, where it is rounded but not angulated, from thence it is narrowed, and again dilated and obtusely angulated at the base; the lateral rims distinct, bent inwards after forming the posterior angles, but before reaching the true base; disc with transverse striolæ, almost smooth behind, with a very distinct median groove. *Elytra* moderately long, apices obliquely truncated; their sculpture consists of tolerably distinct, impunctate striae, the foveæ are small but conspicuous, and, like the margins, tinged with green, their surface, as well as that of the thorax, being of a reddish-coppery hue.

The whole surface of the body being densely and minutely sculptured causes the insect to seem less glossy than it would be otherwise.

The general outline is similar to that of *S. versicolor*, but the expanded hind angles of the thorax at once differentiate it from that species.

♀. Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{3}{4}$ .

A specimen of this pretty beetle was detected by Mr. S. W. Fulton on Mount Maungatua, amongst Sphagnum moss.

1570. *S. cognatus*, *n.s.* Concolorous, black, not very glossy; rather broad, slightly convex.

*Head* with longitudinal strigæ; eyes large and prominent. *Prothorax* transversal, cordate, widest before the middle, where it is angulated, from that point gradually narrowed behind; lateral

margins distinct, bent inwards at the base without forming distinct angles there; its surface finely strigose, the dorsal groove and frontal impression well marked. *Elytra* oblong, rather broad, narrowed towards the shoulders, apices subtruncate; they are not deeply striate, and their foveæ are small. *Underside* shining-black, with many minute grey hairs.

Nearly allied to *S. edwardsi*, but shorter and comparatively broader; the thorax notably broader, its sides more obviously angulated, and, consequently, more narrowed posteriorly; the hind-body is decidedly broader, less evidently striate, the foveæ are not nearly so conspicuous, and the apices are more truncate, not so oblique.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$ .

Habitat, Mount Maungatua. Collected by Mr. S. W. Fulton.

1571. *S. antennalis*, n.s. Black, shining, (except the rufescent tips of the palpi and mandibles, and the second and third joints of the antennæ) concolorous.

*Head* longitudinally strigose, eyes large and prominent. *Prothorax* about as long as broad, widest just before the middle, not distinctly angulated there, narrowed behind, lateral margins bent inwards at the base; its surface transversely strigose, and particularly at the sides and front, finely and densely punctate-rugose. *Elytra* moderately broad, narrowed basally; apices obliquely truncate; rather feebly striate, foveæ small.

A form just intermediate between *S. edwardsi* and the preceding species, *S. cognatus*; distinguished from the former by being shorter and relatively broader, without its silky gloss, &c.; from the latter by the less prominent antero-lateral margins of the thorax and more oblique elytral apices.

Length,  $1\frac{3}{4}$ – $1\frac{7}{8}$  lines; breadth,  $\frac{3}{4}$ .

Three examples were brought from the mountainous region of Lake Tekapo by Messrs. Cheeseman and Urquhart.

## Group—HYDROBIIDÆ.

### Berosus.

*Hist. des Ins. Coléop.*, Tom. I., p. 458.

1572. *B. mergus*, n.s. Sub-oblong, convex, shining; head and thorax æneous (metallic), the latter broadly margined at the sides and front with testaceous; elytra dingy-testaceous; legs, antennæ, and palpi pale-yellow; the extremity of the palpi, antennal club, base of femora, and the underside blackish.

*Head* moderately closely and deeply punctured; eyes prominent. *Prothorax* transverse, broadly rounded in front, sides parallel, anterior angles rounded, posterior rectangular, base bisinuate; its surface not so closely punctated as the head. *Scutellum* elongate-triangular, punctate, margins smooth. *Elytra* sub-oblong, convex, narrowed towards the shoulders, apices simple; humeral region somewhat elevated, each elytron bears ten rows of closely-placed punctures sometimes assuming the form of striæ, the second terminating at the middle; interstices broad, nearly plane, the fourth,



sixth, and eighth distinctly punctulated. *Legs* simple, bearing greyish hairs.

♀. Length, 2 lines; breadth, 1.

Mr. S. W. Fulton caught two examples in a pool on Mount Maungatua, Taieri, Otago.

### Group—PSELAPHIDÆ.

#### *Sagola* (p. 134).

1573. *S. castanea*, *n.s.* Elongate, sub-depressed, shining, rufo-castaneous, head and thorax dark-red, legs and antennæ rufescent, tarsi and palpi fulvous.

*Head* large, trigonal, its posterior angles so produced as to be as broad as the middle of the thorax, the back part separated, as it were, from the thorax by a deep incision, with a deep central cavity and two small occipital foveæ; it bears fine yellowish hairs. *Antennæ* hirsute, longer than head and thorax, of nearly equal thickness throughout; basal articulation stout, cylindric; joints 2-5 rather longer than broad, oviform, second and fourth nearly equal in bulk, third much smaller than the contiguous ones; 6-10 become shorter, the tenth being quite transversal and larger than ninth, eleventh ovate, larger than the preceding one. *Prothorax* cordate, shining; with a large depression behind the middle; two small punctiform foveæ behind it (one near each of its hind angles), and a large cavity at each side extending from the base to the middle; it is smooth otherwise, and is clothed with some fine hairs. *Elytra* broader than thorax, widest behind; sutural striæ deep and entire, intra-humeral depressions elongate (when viewed sideways they are seen to consist of a basal puncture and two or more larger confluent ones beyond); their surface is apparently impunctate, and bears numerous yellow hairs. *Hind-body* rather longer than elytra, its second and third dorsal segments broader than they, each larger than the first, all three marginated, the others gradually depressed, the basal portion of the first densely covered with very minute, scale-like hairs. *Legs* of normal structure, tarsi moderately elongate.

The form of the head makes a near approach to that of *S. genale*, but the angles are not so acute as in that species, which is also a good deal smaller and very much lighter in colour.

Length, nearly  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$ .

Mr. S. W. Fulton sent me a specimen which he found at West Taieri bush.

1574. *S. excavata*, *n.s.* Castaneo-rufous, legs and antennæ fulvo-rufous, tarsi and palpi fulvous, clothed with yellow hairs.

*Head* moderate, its widest part in line with (but including) the eyes, rounded behind; with the common median depression, two minute foveæ behind, its surface appearing as if minutely punctated. *Antennæ* stout, second and fourth joints sub-globular, third small, the others gradually become transversal, eleventh rounded. *Prothorax* considerably dilated laterally at the middle, its length and breadth about equal; with the usual post-median depression, two

small basal foveæ, and a large cavity at each side behind, its sculpture like that of the head. *Elytra* broader than thorax, oblong, sutural striæ deep, the intra-humeral impressions extend half-way from the base with half a dozen punctures in each. *Hind-body* as long and as broad as *elytra*; its three basal segments parallel and margined, the apical ones shorter and deflexed; the base of the first covered with minute brassy scales and short depressed hairs beyond; the second deeply excavated nearly from one side to the other, with a basal protuberance directed towards, but not touching, a small median raised space on its hind margin; third segment quite as large as second, convex; the clothing and punctation similar to those of the *elytra*. *Legs* moderately slender, the four anterior tibiæ straight inwardly and curved externally; the posterior slightly bent at the extremity.

The extraordinary second dorsal segment of the abdomen is quite without precedent.

Length, nearly  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{3}{8}$ .

I found one under bark in the Paparoa district, south of Auckland.

1575. **S. sulcator**, *n.s.* Elongate, shining, *elytra* and legs fulvous, head, thorax, and antennæ red, hind-body castaneo-rufous, palpi yellow.

*Head* smooth, rather flat, rounded behind, with a deep obvious groove extending from between the antennal tubercles to the occiput, and without other distinct impressions. *Prothorax* cordiform, slightly broader than head, with large post-median and lateral cavities, and two minute basal foveæ. *Elytra* short, but little longer than thorax, much narrowed towards the base, with distinct sutural and intra-humeral furrows, these latter rather short and entire. *Hind-body* elongate, its third segment broader than *elytra*, the three basal of about equal length, all large, the others shorter and attenuated, but not much deflexed; clothed like the *elytra* with conspicuous yellow hairs. *Legs* and antennæ of normal structure, but with the posterior tibiæ bent near the extremity.

This is the only species in which the frontal cavity extends from the antennal tubercles to the back part of the head. The body is rather elongate, and is contracted between the head and thorax, the thorax and *elytra*, and again, but less evidently, at the first dorsal segment of the abdomen.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{1}{4}$ .

I found my specimen at Woodhill, on the Kaipara Railway, near Helensville.

1576. **S. osculans**, *n.s.* Shining, chestnut-red; the *elytra*, limbs, and trophi paler, head and thorax nearly nude, the rest of the body hirsute.

*Head* short, almost as broad as thorax, obtusely dilated behind the eyes, but not angulated behind nor rounded laterally; its median cavity deep and extending as far as the back part of the eyes; hind foveæ small and narrow. *Antennæ* thick. The maxillary palpi

stout, their terminal joint nearly globular. *Prothorax* cordiform, a good deal narrowed anteriorly, with the usual impressions. *Elytra* larger than thorax, considerably narrowed towards the base; sutural striæ rather broad and deep; the intra-humeral short, with two or three large punctures. *Hind-body* nearly twice the length of elytra, bearing rather long, but not coarse, yellow hairs; its basal segment simple—*id est*, destitute of minute scales. *Legs* rather slender; all the tibiæ straight inwardly, and but little arched externally; *tarsi* short.

The short tarsi, in conjunction with the form of the head and the absence of minute scales on the first dorsal segment of the abdomen, are characters that prevent the location of this species close to any other; it should, however, follow those (such as *S. genale*) in which the posterior angles of the head are protuberant, so as to be treated as an intermediate form.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$ .

One example in my own collection. Woodhill.

1577. *S. foveale*, *n.s.* Shining; head and thorax red, abdomen chestnut-red, antennæ fulvo-rufous, elytra and legs less rufescent, palpi yellow; clothed with yellow hairs.

*Head* moderate, rounded behind, convex; the frontal cavity short and narrow, terminating between the eyes; basal foveæ rather long and large and placed near each other; its surface with shallow punctures, antennal tubercles coarsely punctated. *Antennæ* stout, second and third joints small and sub-globular; second obviously smaller than fourth; joints 5–10 quite transverse and differing but little from one another; eleventh larger than the preceding one. *Prothorax* convex, as long as broad, its middle part widest, post-median fovea moderate, the basal small, lateral cavities large. *Elytra* oblong, widened behind the middle; sutural and intra-humeral furrows moderate. *Hind-body* rather short, broad, apical segments deflexed; all the basal segment covered with inconspicuous scales. *Legs* stout; femora inflated: all the tibiæ straight inwardly, and not much curved outwardly; *tarsi* moderate, not elongate.

*S. terricola* and *S. excavata* are the only species having distinctly punctated antennal tubercles; in *S. elevata* and *S. brevitarsis* the punctation can be seen, but not easily: that, therefore, together with the short groove on the head, will cause this species to be easily identified.

Length, quite  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$ .

I found one on the Waitakerei Range.

1578. *S. elevata*, *n.s.* Shining; head, thorax, and antennæ dark-red, elytra fulvo-rufous, hind-body chestnut-red, legs and palpi fulvous; its pubescence yellow.

*Head* somewhat convex, short and broad, rounded behind; its median groove deep, elongate-triangular, with raised hind margins; there are no other impressions. *Antennæ* stout, not obviously incrassated apically, third joint small, eleventh scarcely longer than tenth, but with a distinct terminal appendage visible below the



pubescence. *Prothorax* broader than long, cordate, with the usual depressions. *Elytra* oblong, a little narrowed at the base, longer and broader than thorax, their sutural striæ deep and entire, the intra-humeral with a semi-detached basal puncture. *Hind-body* longer and broader than elytra, deflexed and attenuated apically, first segment shorter than second, its base with numerous minute scale-like hairs. *Legs* stout, the four anterior tibiæ straight along their inner edge, the outer curved, posterior perceptibly bent at the extremity; tarsi elongate.

The distinctive peculiarity of this species consists in the thickened and somewhat elevated hind borders of the cavity on the head. Its nearest ally is *S. terricola*, but in it the whole middle part of the head is much more convex; it is also narrower, and has two occipital foveæ, besides which it is altogether larger.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$ .

I found two examples at Woodhill, near Helensville.

1579. *S. brevitarsis*, *n.s.* Elongate, shining, chestnut-red, legs fulvous, tarsi and palpi yellow; clothed with yellow hairs.

*Head* moderately broad, its posterior angles not much rounded, yet not prominent, but little convex; its central cavity deep, not reaching the neck, with two minute occipital foveæ. *Antennæ* stout, their terminal joints scarcely longer than broad. *Prothorax* subcordate, widest at the middle, much narrowed (not abruptly) in front; its post-median cavity large, so that the minute basal foveæ seem to form a portion of it; lateral cavities large. *Elytra* oblong, longer and broader than thorax, narrowed at the shoulders; sutural furrows well marked, intra-humeral deep and elongate, with four or five punctures in each. *Hind-body* much longer than and quite as broad as elytra; third segment largest, nearly twice the length of the first, the latter clothed with short yellow hairs, the apical segments conjointly obtriangular. *Legs* of moderate length; none of the tibiæ distinctly bent, but all more or less arcuated externally; tarsi short.

In *S. genale* and *S. denticolle* the tarsi are comparatively short, but this species is differentiated from both by well-marked characters.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{1}{2}$ .

Described from one example found in Paparoa, south of Auckland, by myself.

1580. *S. bipunctata*, *n.s.* Fulvescent, head, antennæ, and thorax rufo-fulvous, elytra, legs, and palpi flavous, abdomen dark-yellow, pubescence yellow.

*Head* broad, rounded behind, frontal fossa short, deep, and broad, basal foveæ small. *Antennæ* elongate, third joint quite as long as, but narrower than, second; second and fourth equal, oviform; fifth very little shorter; joints 6-9 sub-globular; eighth and ninth transverse; tenth transverse, a little larger than ninth; eleventh conical, about twice the length of its predecessor. *Prothorax* cordate, with the common impressions, about as broad as the head. *Elytra* short, but little

longer than thorax, considerably narrowed towards the base ; sutural grooves distinct, those between them and the shoulders composed of two well-marked punctures, the hinder elongated. *Hind-body* much longer than elytra, gradually depressed posteriorly, hirsute. *Legs* moderately slender, tibiæ but little curved, tarsi moderately short.

In *S. sulcator* and *S. osculans* the wing-cases are similarly narrowed towards the front, but these two are distinguishable in other ways ; the latter, however, makes the nearest approach to the present species so far as regards the intra-humeral impressions. In all the other species the elytra are oblong, narrowed before the middle only, or else more or less obtusely rounded at the sides.

Length,  $1\frac{1}{2}$  lines ; breadth, nearly  $\frac{3}{8}$ .

Unique. Found near Whangarei Harbour.

1581. ***S. duplicata***, *n.s.* Shining, head and thorax pitchy-red, antennæ red, elytra and legs of a paler hue, reddish, abdomen rufo-castaneous.

*Head* small, considerably narrower behind, frontal sulcus large, basal foveæ obsolete or quite absent. *Antennæ* thick and elongate, basal joint rather short and stout, second and third sub-globular, the latter nearly equalling the former ; fourth longer than broad, oviform ; joints 5-9 sub-quadrate ; tenth transverse, eleventh conical. *Palpi* elongate and rather slender. *Prothorax* a good deal, but obtusely, dilated at the middle, so as to appear much narrowed in front and behind, with the usual sculpture. *Elytra* larger than thorax, sub-oblong, slightly narrowed towards the shoulders ; sutural striæ of equal depth and breadth throughout, intra-humeral depressions with a separate basal puncture ; between the two grooves on each elytron there is an abbreviated punctated stria with raised margins. *Hind-body* larger than elytra ; basal segment with minute depressed scales, its apex fringed with finer hairs than those on the others ; posterior segments deflexed. *Legs* moderate ; tibiæ a little arcuated on the outside, none bent ; tarsi not elongate.

The head is narrower behind than in any other species (its hind angles quite obsolete), the back part being but little broader than the neck. The punctated stria between the sutural groove and the intra-humeral depression is quite exceptional.

Length,  $1\frac{1}{2}$  lines ; breadth, nearly  $\frac{3}{8}$ .

One example. Parua, near Whangarei Harbour.

1582. ***S. tenuis***, *n.s.* Slender, shining, testaceous, with greyish pubescence, legs and palpi yellow.

*Head* small, a little dilated but rounded behind, frontal cavity short, hind foveæ rather elongate, antennal tubercles small and but little elevated ; not convex. *Antennæ* elongate, third and fifth articulations smaller than the contiguous ones, ninth and tenth transverse and larger than the preceding ones. *Prothorax* ovate-cordate, impressed in the orthodox fashion. *Elytra* hardly longer but broader than thorax, narrowed towards the front, sutural striæ not very deep, the intra-humeral elongate. *Hind-body* longer but not

perceptibly broader than elytra, bearing rather short, greyish hairs. *Legs* slender, simple; *tarsi* moderately short.

An easily-recognized species, having the occipital foveæ nearly as conspicuous as the frontal depression, the thorax rather oviform, the eyes not prominent, and the pubescence rather fine and greyish. In almost all the other species the hairs are comparatively coarse and obvious.

Length,  $7\frac{1}{8}$  lines; breadth,  $\frac{1}{4}$ .

One individual in my own collection. Tairua.

1583. *S. convexa*, n.s. Shining, head, thorax, and antennæ deep-red, elytra fulvo-rufous, hind-body infusate-red, legs fulvous, tarsi, palpi, and pubescence yellow.

*Head* of moderate size, rather convex, slightly narrowed behind the eyes, these latter prominent, the space between the eyes and point of insertion of the antennæ rather longer and narrower than usual; the margins of the deep frontal cavity on the same plane (or very nearly so) as the antennal tubercles; occipital foveæ small, not easily seen from above, being situated on the declivous back part. *Antennæ* robust. Terminal joint of maxillary *palpus* rather oviform. *Prothorax* cordate, convex, with the usual sculpture. *Elytra* rather longer and decidedly broader than thorax, a little narrowed in front, with the normal impressions. *Hind-body* a little broader and not much longer than elytra, its apical segments abruptly deflexed, the basal segment bearing minute brassy scales. *Legs* long and stout; the intermediate tibiæ bent near the extremity, the others slightly arcuated outwardly; *tarsi* elongate.

The rather small convex head, with its deep frontal cavity and half-concealed basal foveæ, short abdomen, and slightly flexuous middle tibiæ, do not correspond with the characters of any one species described as yet, though *S. elevata* is perhaps its nearest congener.

Lengths,  $1\frac{1}{10}$  lines; breadth,  $\frac{3}{8}$ .

Described from the single specimen I found at Tuakau, Waikato.

## Group—SILPHIDÆ.

### Microsilphæ.

#### Nov. gen.

*Body* oblong, somewhat convex, pilose. *Head* large enough to close front of thorax. *Prothorax* almost transverse-quadrate, finely marginated but not explanated laterally, adapted to, but not overlapping, the base of elytra. *Scutellum* small. *Elytra* oblong, apices obtusely truncate, exposing the small apical segment of the abdomen. *Antennæ* 11-articulate, shorter than head and thorax; two basal joints stout, oviform, second the smaller; third much more slender, nearly as long as second; fourth joint hardly longer than broad, obconical; joints 5 and 6 equal, transversal, broader than fourth; seventh and eighth broader than the preceding, transverse, the latter about twice the breadth of the sixth; club tri-articulate, its basal joints transverse, the terminal somewhat rounded, large, with



a deep but narrow indentation beyond the middle. Maxillary *palpi* four-jointed, first joint longest, somewhat cylindrical; second sub-cylindric, its apex oblique; third very small, quite cylindric; fourth minute, aciculate: labial very much shorter, their two last joints similar to those of the maxillary. *Mandibles* bifid at apex. *Eyes* rather small, not prominent, free. *Legs* moderate; femora simple; tibiae gradually expanded towards the extremity, acutely denticulated externally, apical spurs not elongate; tarsi five-jointed, the fifth equalling the preceding four in length, the three basal joints of the anterior dilated in the male. Front *coxae* contiguous, not large; posterior large, transversal, not quite touching each other, their inner portion broad, the outer gradually acuminate. *Trochanters* large. *Mesosternal process* acutely triangular, meeting the pointed metasternum. *Metasternum* large. *Abdomen* very short, on a lower plane than the breast, so that the hind legs when retracted are on a level with the metasternum; with five segments, the apical small.

1584. *M. litorea*, *n.s.* Oblong, moderately convex, sparsely clothed with greyish-yellow hairs; shining, head and thorax black, wing-cases smoky-brown with some paler spots, legs variegate-castaneous, tarsi yellow, antennae variegate-fuscous.

*Head* distinctly punctate. *Prothorax* similarly sculptured, but with a smooth linear space on the dorsum, and one or two spots with fewer punctures; rather broader than long, sloping outwards gradually, not in the least flattened near the sides; front angles depressed, not acute; sides a little curved, with fine rims; base feebly bisinuate, with rounded posterior angles. *Scutellum* smooth. *Elytra* a little broader than, and twice the length of, the thorax, oblong, nearly quite truncate apically, leaving the small pygidium uncovered; they bear some very indistinct costae, and their punctuation is not disposed in regular rows. Anterior *tibiae* expanded apically, armed along the outer edge with five or six denticles or spine-like teeth; the others similarly armed, but with about eight on each, all pilose. *Antennae* bearing greyish hairs, some of the joints more or less rufescent. *Underside* pitchy-black, punctate, with some reticulate marks and greyish hairs.

Length,  $1\frac{1}{8}$ – $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$ .

One female and a mutilated male were captured on the sandspit at Port Chalmers by Mr. T. Chalmer.

## Group—SILPHIDÆ.

### *Choleva* (p. 151).

1585. *C. granifer*, *n.s.* Ovoid, attenuated posteriorly; clothed with slender, elongate, decumbent fulvescent hairs; slightly shining; head red, thorax blackish, elytra brown, legs and antennae fusco-rufous.

*Head* trigonal, indistinctly sculptured. *Antennae* thickened apically, basal joint yellowish, second shorter than third, joints 3–5 elongate, sixth and seventh longer than broad, eighth shorter than but as broad as seventh, ninth and tenth sub-quadrate.

*Prothorax* transverse, rounded towards the front, hind angles a little prolonged backwards; the disc with minute granular sculpture, but the sides appearing punctate. *Elytra* with a distinct sutural stria on each, impunctate, transversely lineated, the edge of each impression minutely denticulated. *Legs* moderate, posterior tibial spurs elongate and slender; middle tarsi simple, the anterior moderately dilated.

Allied to *Choleva lugubris* (Sharp), but with totally different sculpture.

OBS.—Nos. 276, 277, and 278 belong to *Choleva*.

♂. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$ .

My specimen came from Dunedin, near which town it was captured by Mr. Thomas Chalmer.

## Group—SCAPHIDIDÆ.

### *Bæocera* (p. 665).

1586. *B. fulvicolle*, *n.s.* Convex, broad, oviform, nude, shining; head, thorax, and legs fulvous, apices paler, pygidium rufescent, antennæ more or less testaceous but becoming darker towards the extremity.

*Head* smooth, narrowed in front; eyes somewhat flattened. *Antennæ* bearing elongate coarse hairs, apical joints finely pubescent; the two basal joints stout, 2-6 elongate and slender, seventh stouter than the preceding ones, eighth slender, joints 9-11 broad. *Prothorax* impunctate, its median lobe concealing the scutellum. *Elytra* smooth, the sutural striæ distinct behind but becoming obsolete in front. *Tibiæ* furnished with fine hairs, their apical spurs minute; basal articulation of posterior tarsi not elongated.

The colour at once distinguishes this species.

Length,  $\frac{7}{8}$  line; breadth,  $\frac{5}{8}$ .

Found by Mr. P. Sandager on Tiritiri Island.

1587. *B. armata*, *n.s.* Oviform, convex, glabrous, shining, rufo-testaceous; tarsi, palpi, and two basal joints of antennæ yellow, the other joints fuscous.

*Head* narrowed anteriorly; eyes not prominent. *Antennæ* elongate, hirsute, joints 3-6 slender, third shorter than fourth, eighth more slender than the contiguous ones but stouter than sixth. *Prothorax* impunctate, its basal lobe not much produced. *Scutellum* invisible. *Elytra* with fine sutural striæ reaching from base to apex, apices very obtusely rounded, nearly truncated towards the suture, yellowish behind. *Legs* slender; *tibiæ* with fine hairs, the intermediate with short greyish ones, terminal spurs (especially of the middle pair) long and robust; posterior *tarsi* slender and elongate, basal joint nearly as long as the following two.

Remarkable on account of the armature of the tibiæ, the spurs being longer and stouter than in any other New Zealand species: *B. apicella* makes the nearest approach to it in this respect. It is broader than *B. rufa*, but mere measurements do not convey an exact idea of actual form.

Length,  $\frac{7}{8}$  line; breadth,  $\frac{1}{2}$ .  
Woodhill (Kaipara Railway).

### Group—HISTERIDÆ.

#### *Epierus* (p. 163).

1588. **E. abrogatus**, *n.s.* Sub-rotundate, convex; shining, rufo-piceous, legs and antennæ dark-red.

*Head* distinctly punctured. *Prothorax* transverse, narrowed anteriorly, base oblique towards each side, indistinctly margined; its sculpture like that of the head but rather closer and coarser at the middle of the base. *Elytra* punctated, each elytron with seven more or less evident, curved striæ, all becoming obsolete posteriorly, the sutural not reaching the base, the outermost abbreviated, visible at the middle only. *Pygidium* finely punctured, quite imperceptibly at the base. *Tibiæ* curved externally and expanded towards the extremity, the two front pairs closely denticulated, the posterior with fewer and more minute denticles. *Under-surface* sculptured like the upper, but much more finely on the middle of the metasternum.

Allied to *E. sylvanus*, but with distinctly punctured wing-cases. No. 297 is an *Epierus*.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{4}$ .

I found two at Helensville (Kaipara), on logs.

1589. **E. planiceps**, *n.s.* Convex, sub-rotundate; shining, rufo-piceous, legs dark-red, antennæ and tarsi fulvescent.

*Head* broadly but slightly concave, not perceptibly punctured. *Prothorax* almost impunctate, but with one or two rows of punctures along the base. *Elytra* impunctate, each with six dorsal striæ, the sutural straight and finest, all obliterated behind. *Pygidium* smooth. *Tibiæ* expanded apically, the anterior arcuated externally, all more or less minutely denticulated.

Resembles *E. abrogatus* in form.

Length, 1 line; breadth,  $\frac{5}{8}$ .

My specimen was taken off a log on the Waitakerei Range.

1590. **E. crenulatus**, *n.s.* Oblong-oval, convex; shining, rufo-piceous, legs rufescent, tarsi and antennæ fulvescent.

*Head* not distinctly punctured. *Prothorax* transverse, finely margined, very finely punctated, most evidently near the base. *Elytra* obsoletely punctured, each with five fine arcuated striæ, the fifth marginal, the sutural very indistinct. *Pygidium* almost impunctate. *Tibiæ* widened towards the extremity, anterior curved externally, all more or less minutely and sparsely denticulated. *Underside* smooth; hind margin of mesosternum finely crenulated.

Most nearly resembles *E. purus*, but in that species the hind-body is more attenuated posteriorly.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{2}$ .

I found eight examples at Woodhill and on the Waitakerei Range.



1591. **E. simplex**, *n.s.* Convex, oblong-oval; shining, rufo-piceous inclining to black, legs dark-red, antennæ and tarsi fulvescent.

*Head* very finely punctated. *Prothorax* distinctly marginated laterally, finely and evenly punctured. *Elytra* very finely, almost obsoletely, punctated, each with six fine curved striæ, the sutural more or less indistinct. *Pygidium* not distinctly sculptured. Front *tibiæ* finely denticulated. *Underside* finely punctured, the posterior edge of the mesosternum indistinctly crenulated.

This and the following species are the most oblong I have seen in New Zealand.

Length,  $\frac{7}{8}$  line; breadth,  $\frac{5}{8}$ .

Otago: Ten specimens from Mr. T. Chalmer and two from Mr. S. W. Fulton. Arboreal in habit.

1592. **E. rusticus**, *n.s.* Oblong-oval, moderately convex; shining, rufo-piceous, legs rufescent, tarsi and antennæ fulvescent.

*Head* finely punctured. *Prothorax* transverse, finely marginated, distinctly punctured, the punctation becoming more obvious towards the base. *Elytra* distinctly punctated, each elytron with six well-marked striæ not attaining the apex, the sutural straight, the others curved; in addition to these there is an indistinct, abbreviated humeral stria. Anterior *tibiæ* denticulated. *Under-surface* punctured like the upper, the front edge of the mesosternum crenulated.

Most nearly allied to *E. punctulipennis*; the most oblong form described as yet from New Zealand.

Sometimes the insect is dark fusco-rufous, with a suffused pitchy spot near the middle of the hind-body.

Length,  $\frac{7}{8}$  line; breadth,  $\frac{5}{8}$ .

Taken under tarata bark, West Taieri bush, by Mr. S. W. Fulton.

## Group—TROGOSITIDÆ.

### *Grynoma* (p. 181).

1593. **G. viridescens**, *n.s.* Oblong, somewhat convex; legs, antennæ, and thorax testaceous or yellowish-brown; elytra viridescent, the depressed parts more or less infusate; irregularly clothed with semi-erect, slender white setæ.

*Head* rufo-fusca, densely punctate, small, nearly nude. *Antennæ* short, two basal articulations large, third longer than broad, joints 4-6 sub-quadrate, seventh and eighth very transversal; club oblong, ninth and tenth joints strongly transverse, eleventh rounded. *Prothorax* transverse, narrowed in front, anterior angles not prominent; sides explanate, lateral margins obsoletely crenulate, paler and more coarsely punctured than the disc. *Elytra* shining, side margins crenate, the green portion uneven and rather more elevated than the rest of their surface, the punctation moderately coarse but not very close.

About half the size of the previously-recorded species, the thorax

more narrowed anteriorly, side margins crenulate, the antennæ shorter and with a much broader club.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{5}{8}$ .

Found by Mr. T. Chalmer near Dunedin.

## Group—SYNCHITIDÆ.

### *Ablabus* (p. 183).

1594. *A. nodosus*, *n.s.* Oblong, not elongate, convex, variegate, legs and antennæ infuscate-red.

*Head* rufescent, granulated. *Antennæ* short, the ninth articulation but little larger than eighth. *Prothorax* much rounded in front, deeply emarginate behind the eyes, its surface with numerous granules and some irregular depressions and elevations; its sides explanate, with four lobes, the anterior largest with acute front angles, second narrowed towards the extremity, third narrow, fourth minute, forming the posterior angle; disc infuscate-red, sides somewhat testaceous, clothed with yellow setæ. *Elytra* oblong, parallel-sided, suddenly deflexed and narrowed behind; apices a little prolonged, with a distinct sutural notch; base arcuated medially, oblique towards each shoulder; broadly concave above; their real sculpture consists of rows of punctures, and, on each elytron, seven more or less obvious nodules; their surface, however, is so densely covered with variegate setæ, chiefly of a yellow hue, and other substances, that the punctation and smaller inequalities are obliterated; the predominating colour is a yellowish-grey, but there is a very evident blackish transverse line just below the summit of the posterior declivity, and there are some dark patches on the disc and sides. *Legs* stout, clothed with fine hairs and setæ.

In perfect specimens there are usually four fine lines of yellowish setæ on the hind-body, two elongate curved basal elevations, two or three large nodules in an oblique row near the middle of each elytron, and three or four on the top of the hind slope but with a broad sutural space between the congeries.

It very much resembles *A. brevis*, but the apices of the elytra are more produced and dehiscent.

Length,  $1\frac{1}{8}$  lines; breadth, 1.

Mr. T. Chalmer found one at Hooper's Inlet, and two or three others near Dunedin.

### *Ulonotus* (p. 186).

1595. *U. punctatus*, *n.s.* Oblong, sub-depressed, sub-opaque, nearly nude, pitchy-black, legs obscure-fuscous, the three basal joints of the tarsi fusco-testaceous, antennæ (save the two basal articulations) reddish-brown, explanate sides of thorax covered with grey matter.

*Head* granulate. *Antennæ* with two basal joints piceous; second not so stout as but longer than exposed portion of first; third slender, elongate; joints 4-8 about equal, moniliform; ninth rather small, being twice the bulk of eighth, but only about one-half of tenth; eleventh larger than the preceding, rounded. *Prothorax*

transversal, sides explanated and trilobed; anterior lobe large, acute in front, the indentation behind it about one-half its size, the next lobe small, the basal minute, forming the posterior angle; disc destitute of distinct depressions, granulate. *Elytra* oblong, with rows of closely-placed punctures, appearing as if transversely rugose; they bear (on each) about six tubercles behind the middle, those near the hind declivity most conspicuous. *Legs* stout.

Smaller and relatively broader than *U. asper*, the wing-cases differently sculptured. It is rendered distinct by the unusual reduction of the ninth antennal joint, so that the structure of the club is just intermediate between that of the more orthodox *Ulonotii* and the genus *Ablabus*. Should other forms be discovered possessing antennæ of similar structure, it may become expedient to alter the generic diagnosis of *Ulonotus*, so as to admit such species and also all those now belonging to *Ablabus*.

Length, 1 line; breadth,  $\frac{3}{8}$ .

One. Woodhill.

### **Bitoma** (p. 192).

1596. **B. scita**, *n.s.* Body elongate, moderately convex, sub-opaque, variegate; head and thorax obscure rufo-fuscous, legs pale-brown, antennæ and front of head rufescent; tarsi, thoracic lobes, and most of the wing-cases testaceous; the sides, apex, and a broad sutural space not reaching the base and furcate in front, brownish (elytra), on the interstices some small pale elevations, there being five on the third, and others near the sides.

*Head* coarsely granulate, broadly bi-impressed longitudinally. *Prothorax* granulated, with some rather deep and broad impressions; its sides explanate, with a deep median indentation, the anterior lobe largest, the other with uneven edges, so as to appear as if formed of three or four denticles. *Elytra* with eight or nine rows of quadrate punctures, clothed with fine pale setæ. *Legs* stout, tibiæ ciliated with fuscous setæ similar to those bordering the elytra.

Allied to *B. lobata*, larger, broader, much more brightly coloured, &c.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$ .

One in my own collection. Whangarata, near Tuakau.

1597. **B. guttata**, *n.s.* Elongate-oblong, moderately convex; elytra shining, piceous, with (on each) two elongate, raised, basal and other ill-defined spots brick-red; legs and antennæ obscure fusco-rufous, head and thorax with two large, raised greyish spots on each, formed of scale-like matter.

*Head* granulated. *Prothorax* bilobed, the lobes of equal length, the posterior widely emarginate; its surface granulate, with depressions similar to those seen in *B. rugosa*, *B. lobata*, and *B. scita*. *Elytra* with several rows of punctures, interstices almost smooth, clothed with fine yellowish setæ or short hairs. *Legs* setigerous, stout.

Its affinities are with *B. rugosa* and the other two species referred to above: from the first it differs in having the thorax lobate, &c., whilst the rugose appearance of the elytral sculpture and almost



entire absence of tubercular elevations, except near the apex, separate it from *B. lobata* and *B. scita*, independently of the glossy and nearly nude aspect of the hind-body.

*B. rugosa*, besides other disparities, may be distinguished from its three congeners by the presence of several irregular cavities on the elytra.

Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{1}{2}$ .

Mr. T. Chalmer detected a specimen near Dunedin.

### Group—PYCNOMERIDÆ.

#### *Pycnomerus* (p. 208).

1598. *P. carinellus*, *n.s.* Elongate, sub-parallel, moderately shining, bearing exceedingly minute greyish hairs, pitchy-black; legs and antennæ pitchy-red.

*Head* with two deep frontal expressions, each separated from the side by an elevated space; it is coarsely (comparatively) punctated; eyes coarsely faceted. *Antennæ* 11-articulate, the eleventh joint but little smaller than tenth, densely pubescent and appearing punctate. *Prothorax* convex, slightly narrowed towards the base, closely and coarsely punctured all over and without other distinct sculpture. *Elytra* elongate-oblong-oval, base a little arcuate-emarginate, sides but little curved, strongly punctate-striate, apex rufescent; the interstices narrow and convex, second, third, and fifth insulated.

The thorax and elytra less contracted towards their bases than in *P. ellipticus*, the elytral suture plane instead of convex, the third interstices elevated in front and united at the base by a short carina, the scutellar region consequently seeming more depressed.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$ .

I found one example at Woodhill (Kaipara Railway).

1599. *P. cæcus*, *n.s.* Sub-parallel, elongate, moderately convex, shining, dark-red, sparingly clothed with some minute greyish hairs.

*Head* punctate, the frontal cavities prolonged to its back part, lateral margins raised; eyes obsolete. *Antennæ* stout, the eleventh joint as broad as tenth, punctate and pubescent; though the suture can be detected, the two joints seem entire. *Prothorax* longer than broad, slightly narrowed behind, indistinctly bi-impressed longitudinally, its punctation moderately fine and open, with fewer punctures on the middle, its base depressed. *Elytra* elongate-oval, base obliquely truncated towards the suture, not distinctly emarginated, humeral angles a little porrected; striate, the punctiform impressions in the furrows elongate; interstices rather broad, finely and distantly punctured, the first and third united at the base, the second and fourth insulated.

A highly-interesting form, owing to the absence of eyes: at any rate those organs cannot be detected by means of an ordinary lens.

The thorax has fewer punctures on its surface than any other New Zealand species; the punctures of the elytral striæ are un-

commonly elongate and less obviously separated than is usual, and the first and third interstices are rather broad.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{3}{8}$ .

Mr. T. Chalmer transmitted a specimen from Dunedin.

1600. **P. hirtus**, *n.s.* Shining, pitchy-black, legs and antennæ piceo-rufous, pubescent, moderately elongate, not very narrow, sub-parallel.

*Head* closely punctured, frontal cavities rounded, not elongate, the margins a little elevated at the point of insertion of antennæ only; eyes with coarse facets. *Antennæ* pubescent, the tenth and eleventh articulations (conjunctly) globular, the eleventh not distinctly separated from the tenth, but punctate and densely pubescent. *Prothorax* oblong, not perceptibly narrowed behind, closely punctured, the disc with a large distinct impression almost divided into two by a smooth longitudinal costa. *Elytra* elongate, not parallel, sub-ovate, base widely arcuated, humeral angles slightly prominent, punctate-striate, the punctures elongate and, owing to the presence of sappy or scale-like matter, not appearing to be distinctly separated from one another; interstices quite as broad as the grooves, impunctate, the third a little elevated and united at the base by means of a transverse (not curved) carina; the fourth and sixth almost touch the base.

The yellow hairs on the head and thorax can be easily seen without the aid of the microscope; in that way the insect can be distinguished from all but the following species (*P. lateralis*). The smooth interval between the suture and first stria is narrowed near the base, the second bends outwards, the third does not quite touch the suture, it being acutely bent inwardly to meet its fellow on the other elytron.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{3}{8}$ .

One example. I found it at Whangarata.

1601. **P. lateralis**, *n.s.* Sub-parallel, shining, ferruginous, pubescent.

*Head* punctate, bifoveate in front, side margins raised over the first antennal joint; eyes coarsely granulated. *Antennæ* normal, the tenth and eleventh joints globuliform, the latter sculptured and densely pubescent. *Prothorax* oblong, slightly narrowed near the base, with two longitudinal impressions on the middle, wholly punctate. *Elytra* elongate, somewhat ovate, base obliquely truncated towards the suture, punctate-striate, their sculpture similar to that of *P. hirtus*, with the exception of the seventh interstices, which are decidedly more elevated and more sharply defined.

When compared with *P. hirtus*, its nearest ally, the difference in coloration first strikes the eye; the clothing in both is similar. The thorax is shorter and less obviously impressed, the seventh elytral interstices are quite different, and the insect is smaller.

Length, nearly  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$ .

I found my specimen at Tuakau.

## Group—LATHRIDIIDÆ.

*Lathridius* (p. 232).

1602. **L. priopterus**, *n.s.* Convex, sub-ovate, shining; head and thorax black, sub-opaque; elytra glossy, piceous, the base and side-rims rufescent; legs and antennæ pitchy-red, but with the basal joint and club of these latter pitchy; tarsi testaceous, their third joint infusate.

*Head* with two broad longitudinal elevations, comparatively coarsely punctate, the intervals finely and densely sculptured; eyes large and prominent. *Antennæ* of the orthodox pattern. *Prothorax* quadrate, marginated; with a moderately broad median sulcus almost divided into two by a transverse elevation behind the middle, two frontal foveæ, and two larger ones near the base; the basal margin nearly smooth, the rest of the surface densely and finely sculptured and with numerous moderately-coarse punctures. *Elytra* rather convex, most elevated near the hind declivity, ovate, lateral margins well developed but becoming obsolete at the shoulders; with two post-basal, broad depressions, punctate-striate; interstices convex, first, second, and fourth carinate at base, third and fifth elevated behind but not nodiform, seventh sharply raised, flexuous, indistinct before attaining the hind legs, with a basal thickening inside of the shoulder. *Legs* slender, anterior tibiæ arcuated externally, the others straight; basal articulation of the tarsi quite half the length of the second. *Underside* sparsely clothed with minute grey hairs; head considerably hollowed; process of prosternum elevated from base to apex; metasternum large, smooth, and glossy, with a deep channel terminating near the intermediate coxæ in a fovea-like expansion.

On a careful examination of the sides of the elytra five or six dentiform projections will be seen, producing a saw-like edge near the shoulder. These do not occur in any other species.

Length,  $\frac{7}{8}$  line; breadth,  $\frac{3}{8}$ .

I found one in the Paparoa district, south of Auckland.

1603. **L. puncticeps**, *n.s.* Oblong-oval, but little convex, slightly shining; rufo-castaneous, tibiæ and antennæ (except the basal joint of the latter) fulvescent.

*Head* quadrate, nearly plane, not very distinctly impressed longitudinally, moderately coarsely punctured, interstices narrow and densely sculptured; eyes of moderate size, with coarse facets. *Antennæ* slender, third joint rather short, seventh and eighth not much longer than broad. *Prothorax* quadrate, a little longer than broad, side margins distinct but not smooth, marginal channels broad and nearly quite smooth, transversely impressed near the base, where it is nearly impunctate, the rest of the surface closely and coarsely punctured (comparatively) with densely-sculptured interstices. *Elytra* oblong-ovate, but little convex, lateral rims distinct, hardly perceptibly serrate; punctate-striate, interstices moderately convex, very finely sculptured, none obviously carinated. *Underside* pitchy-brown, not glossy, apparently nude; head con-



cave behind; the metasternum canaliculate, not much longer than basal segment of abdomen, punctate, with a fovea-like depression behind each of the middle coxæ, having several rugosities radiating therefrom; first segment of abdomen with numerous elongate punctures.

Except *L. bifoveatus* and *L. priopterus* this is the only species yet found in New Zealand without any distinct median contraction of the thorax, and from both these species the present one is quite different.

Length,  $\frac{3}{4}$  line; breadth, quite  $\frac{1}{4}$ .

I am indebted to Mr. S. W. Fulton for my specimen; he found it at West Taieri bush.

### **Corticaria** (p. 234).

1604. **C. pacata**, *n.s.* Variegate; head, thorax, and a large portion of the elytra pitchy-brown; a raised spot on each shoulder, with an angular lunate prolongation extending to the middle of each elytron, and a broad sub-apical fascia, as well as the antennæ, fusco-testaceous; thighs fuscous, tibiæ paler; body convex, sub-ovate, shining, covered with rather long, whitish hairs.

*Head* coarsely punctured; eyes moderate, with distinct facets. *Antennæ* with some long, slender grey hairs. *Prothorax* as long as broad, its sides rounded, narrower in front than behind, coarsely punctate, with a curved depression before the base. *Elytra* obovate, narrowed towards the shoulders, irregularly and coarsely punctated, interstices smooth.

The maculation is distinctive.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{3}{8}$ .

One. Whangarata, near Tuakau.

1605. **C. erythrocephala**, *n.s.* Ovate, [shining, bearing semi-erect greyish hairs; head red, thorax fuscous but slightly rufescent, elytra (except a small humeral spot) pitchy-brown; antennæ and tarsi testaceous, the club of the former and extremity of the latter, as also the tibiæ, more or less infusate.

*Head* somewhat produced in front and there smooth, the rest of the surface with comparatively coarse, distant punctures; eyes large. *Antennæ* with fuscous hairs, terminal joint much longer than tenth. *Prothorax* broader than long, narrowed anteriorly, slightly impressed before the base, its punctation similar to that of the head but closer, interstices smooth, the space behind the basal carina densely but finely reticulate. *Elytra* ovate, very convex, their punctures slightly smaller and more remote than those on the thorax, and becoming less numerous behind. *Tibiæ* straight.

The red somewhat anteriorly-produced head, in conjunction with other characters, will enable the species to be recognized.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{3}{8}$ .

One example, taken at Helensville.

1606. **C. platyptera**, *n.s.* Shining, infusate-black, thorax reddish on some parts; a raised spot on each shoulder and a large

irregularly-formed sub-apical spot on each elytron fusco-testaceous, the basal colour dilute; legs and antennæ fuscous, tarsi testaceous; clothed with elongate greyish hairs.

*Head* closely punctated; eyes large, *Prothorax* with two foveæ on the middle about equidistant from each other and the base and apex, and a large impression on each side, its sculpture like that of the head; clothed with yellowish hairs. *Elytra* sub-oblong, rather broad, not very convex, each with a large raised space between the suture and the shoulder; their punctation not nearly so close as that of the thorax. *Legs* stout, *tibiæ* straight.

The raised basal spots on the wing-cases are without precedent: *C. fasciata*, perhaps, makes the nearest approach to this species in that respect.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{3}{8}$ .

One from Mr. S. W. Fulton, Taieri.

### Group—DERMESTIDÆ.

#### *Trogoderma* (p. 240).

1607. *T. granulata*, *n.s.* Oblong-oval, convex, slightly shining, black, sparingly clothed with grey and dark hairs, the former forming three fasciæ on the elytra; *tibiæ* sometimes infuscate, tarsi paler.

*Head* closely punctate-granulose. *Prothorax* narrowed anteriorly, basal lobe prominent, its punctation distinct and close. *Scutellum* smooth. *Elytra* with fine cinereous hairs on the spaces between the fasciæ, their basal portion punctate-granulose, the sculpture becoming finer and punctiform behind. *Underside* black, punctate.

Closely allied to *T. signatum*, but distinguished therefrom by the differences in sculpture.

Length,  $1\frac{1}{4}$ – $1\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$ .

Taken off the inflorescence of a *Leptospermum* on the Waitakerei Range.

### Group—BYRRHIDÆ.

#### *Morychus* (p. 244).

1608. *M. villosus*, *n.s.* Convex, broad, oviform, a little shining; covered with moderately slender, elongate, yellowish hairs, some of which are erect; pitchy-brown, head viridescent, legs reddish, tarsi yellow, antennæ rufo-testaceous.

*Head* closely but not coarsely punctured; labrum moderately carinated at base. *Antennæ* pubescent, basal joint robust and cylindric, second conical, joints 3–6 slender, third elongate, seventh joint not twice the breadth of sixth, 8–10 transverse, tenth nearly twice as broad as seventh, eleventh large, rounded apically. Terminal articulation of the maxillary *palpi* broad, depressed, and pubescent. *Prothorax* transverse, its sides nearly straight, angles rectangular, the anterior deflexed; its surface destitute of distinct punctation. *Scutellum* invisible. *Elytra* without distinct sculpture.

*Tibiæ* pubescent, curved and grooved along the outer edge (anterior), spined at apex, and minutely denticulate near the extremity; tarsi, in repose, applied to outer edge of *tibiæ*, third joint furnished with a large membraneous appendage. *Underside* more or less punctate, clothed with yellowish-grey hairs; sternum pitchy, abdomen reddish, its basal segment smooth where the *tibiæ* rest, the second with a smooth spot behind the base of the femur.

Like *M. setarius*; but in that species the hairs are coarse and erect, and when carefully denuded of sappy matter it will be seen that the head and thorax are finely but distinctly punctured, the latter more closely than the former, whilst the elytra have more distant shallow punctures.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$ .

Mr. T. Chalmer found two examples near Dunedin.

1609. *M. mixtus*, n.s. Oviform, convex, shining, bearing excessively minute (hardly perceptible) grey hairs; black, legs piceous, tarsi and antennæ somewhat castaneous.

*Head* with distant punctures, more approximated near the sides. *Antennæ* gradually incrassated, two basal joints stout, second subconical, third slender and elongate, seventh rather larger than sixth, 8-10 transverse, eleventh largest, rounded at the extremity. *Prothorax* much broader than long, with rectangular angles, marked with fine shallow punctures. *Scutellum* invisible. *Elytra* without distinct sculpture. *Legs* pubescent, *tibiæ* arched externally, the anterior impressed along their outer edge, third tarsal joint appendiculate. *Underside* rather glossy, pitchy-black, more or less punctate, the punctures on the breast coarser and further apart than those on the abdomen, the hairs more densely distributed on the ventral segments.

*M. orbicularis* and *M. insuetus* are very homogeneous. The present species is, however, smaller, the thorax is more distinctly punctured than that of *M. insuetus*, and the form is narrower than *M. orbicularis*. These three species, as well as *M. setarius* and *M. villosus*, agree structurally, all being without a distinct scutellum, and having the front *tibiæ* grooved along the outer edge, not impressed on the inner face as in *M. coruscans*.

Length,  $1\frac{1}{2}$  lines; breadth, 1.

Two were taken on Mount Maungatua, Otago, by Mr. S. W. Fulton.

## Group—TELEPHORIDÆ.

### Aclytia (p. 326).

1610. *A. lævigata*, n.s. Shining, black, legs a little infusate, sparingly clothed with elongate, slender cinereous hairs, coarser ones on the legs and antennæ; elongate, parallel.

*Head* not very perceptibly sculptured, the punctures exceedingly minute and remote. *Antennæ* stout, almost reaching the hind thighs, sub-serrate, third joint slightly longer than second, but shorter than the following one; joints 4-10 about equal, eleventh elongate. *Prothorax* transverse, wholly margined; the lateral



rims much thickened near the middle, distinctly punctated, and more elevated than the other portions; a notch at each side causes the posterior angles to appear dentiform; its sculpture like that of the head. *Elytra* moderately punctured. *Legs* stout. *Claws* testaceous.

♀. Antennæ stout, yet more slender than those of the other sex, attaining the middle femora only; the body rather longer and broader ( $2 \times \frac{3}{4}$ ).

Although the form and sculpture of the head and thorax are similar to those of No. 592, the elytra are totally different. No. 1196 has a roughened head, and No. 594 is more slender, differently coloured, &c.

♂. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$ .

Four examples. Tuakau and Waitakerei Range.

### Group—MELYRIDÆ.

#### *Dasytes* (p. 328).

1611. *D. cheesemani*, *n.s.* Elongate, narrow, shining, bluish-green; antennæ and legs piceous; the two basal joints of the former, the knees, and tarsi infuscate; covered with short greyish-yellow hairs.

*Head* broadly but not distinctly bi-impressed, appearing bi-foveate in some lights, rather distantly punctured, the whole surface densely and finely reticulate. *Antennæ* sub-serrate, joints 3–10 about equal. *Prothorax* as long as broad, not much broader than head, narrowed anteriorly, laterally distended behind the middle, posterior angles rounded, depressed along the base, its sculpture like that of the head. *Scutellum* densely sculptured. *Elytra* broadest behind, shoulders slightly elevated, their sculpture shallow but similar to that of the thorax. *Legs* occasionally dark metallic-green; posterior *tarsi* quite as long as tibiæ; claws thickened at base, but not furnished with membranous laminae.

♀. Thorax broader, elytra wider behind.

*Underside* of nearly the same colour as the upper surface, moderately finely sculptured and clothed; metasternum deeply canaliculate behind.

Distinguished by its somewhat metallic colour.

Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{1}{2}$ .

Brought from the mountainous region of Lake Tekapo by Messrs. Cheeseman and Urquhart.

1612. *D. opaculus*, *n.s.* Elongate, sub-opaque, obscure bluish-black, clothed with very short greyish hairs; legs and antennæ more or less infuscate; head and thorax so sculptured as to appear as if covered with minute depressed scales, and having a few distant punctures; elytra finely punctate-rugose.

*Head* nearly as broad as thorax, indistinctly impressed. *Prothorax* about as long as broad, dilated laterally, hind angles rounded, constricted in front; slightly, if at all, impressed near the base. *Elytra* widest behind, shoulders slightly elevated. *Legs* elongate

and slender; *tarsi* castaneous, the hind-pair as long as the *tibiæ*. *Underside* obscure-blackish, its sculpture like that of the thorax, bearing fine, longish grey hairs; metasternum broadly grooved behind; apex of fifth abdominal segment sinuate, sixth broadly impressed at the base.

♂. Length,  $2\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$ .

I have seen three examples only; they were found by Mr. S. W. Fulton on Mount Maungatua, Otago.

## Group—ANOBIIDÆ.

### Macranobium.

#### Nov. gen.

*Palpi* rather slender, terminal joint of the maxillary sub-securiform, broadly rounded inwardly and almost acute at the extremity. *Antennæ* elongate, nearly thrice as long as thorax, 11-articulate, basal joint arcuated and as long as tenth; second small; third triangular; joints 4-10 serrate inwardly, increasing in length; eleventh elongate. *Head* broad, immersed up to the eyes; *labrum* transverse, ciliated; *mandibles* greatly exposed, acute at apex, with a distinct tooth on the inside near the extremity; *eyes* prominent, large, rounded, not coarsely faceted. *Prothorax* transverse, not produced medially in front, laterally dilated in front, constricted in the middle, posterior angles rectangular. *Scutellum* small. *Elytra* cylindrical, apices obliquely truncated towards the suture, thus exposing the apical segment of the abdomen. *Legs* moderate; *tarsi* shorter than *tibiæ*, the two basal joints of nearly equal length, each as long as third and fourth conjointly, fifth not longer than second but stouter, claws small. *Prosternum* very short, concave, with a carina between the coxæ. *Mesosternum* short, concave. *Metasternum* moderately elongate, canaliculate, on a higher plane than the abdomen. *Coxæ* prominent, the two front pairs about equally, distinctly, yet not widely separated.

♀. *Antennæ* shorter, twice the length of thorax; *tarsi* shorter, second articulation smaller than first, but nearly as long as third and fourth; *prothorax* with the anterior angles less dilated laterally.

Allied to *Trypopytus*.

1613. **M. truncatum**, n.s. Cylindrical, convex, clothed with short decumbent yellow hairs, sub-opaque, obscure reddish-brown, tarsi and antennæ infuscate-red.

*Head* inflexed, densely sculptured. *Antennæ* pubescent (all the joints). *Prothorax* quite as broad in front as behind, wide enough to cover the eyes, apex obtusely rounded, contracted medially, base sub-truncate; with a triangular elevation on the disc somewhat prolonged towards the base, and a less evident elevation near each side before the base, its sculpture fine but dense. *Elytra* a little wider than thorax, humeral angles obliquely rounded; they bear many rows of small, shallow punctures, the spaces between which are closely and finely sculptured; in line with and behind the posterior femora are several irregularly-formed raised lines difficult

to delineate, and outside these, near the apices, the punctation is quite as obvious as on the sides. *Underside* infusate-red, its clothing like that of the upper surface.

Length,  $3\frac{1}{8}$ – $3\frac{1}{2}$  lines; breadth,  $1$ – $1\frac{1}{10}$ .

One male and two females were cut out of the trunk of a dead *Coprosma rotundifolia* at West Taieri bush, by Mr. S. W. Fulton.

## Group—CISSIDÆ.

### Cis (p. 346).

1614. *C. fultoni*, *n.s.* Cylindrical, slightly shining, thorax dark, sometimes piceous, elytra obscure brownish-red, legs rufo-testaceous, tarsi and antennæ yellow, club pitchy.

*Head* punctate, dark; *eyes* coarsely faceted. *Antennæ* pubescent, two basal joints stout, third slender and as long as the following two, fourth rather longer than broad, joints 5–7 small and occasionally rufescent, eighth to tenth nearly equal. *Prothorax* rather longer than broad, curved and narrowed towards the front, posterior angles rounded; moderately coarsely punctured, interstices smooth; it bears rows of fine, erect yellow hairs. *Elytra* as broad as thorax, parallel, rugosely and more coarsely punctured than thorax, interstices smooth and narrow. *Legs* hairy; *tibiæ* strongly expanded apically, the anterior with five or six minute denticles on the outer edge of the dilated part, the other two pairs rounded and coarsely ciliated at the extremity; *tarsi* narrow, fourth articulation equalling the preceding three, claws thickened at base. *Underside* pitchy-brown; sternum finely sculptured; abdomen finely and densely sculptured, and bearing distinct yellow hairs.

The coarse punctation, &c., distinguish it from all our previously described species.

Length,  $\frac{7}{8}$  line; breadth,  $\frac{3}{8}$ .

Cut out of fungi at West Taieri bush, by Mr. S. W. Fulton, of Outram.

1615. *C. piciceps*, *n.s.* Cylindrical, a little glossy, castaneous, head piceous, legs rufo-testaceous, tarsi and antennæ yellowish, club rather darker; clothed with minute erect yellow setæ.

*Head* finely and not closely punctated, interstices finely sculptured; clypeus bidentate. *Prothorax* longer than broad, narrowed in front, anterior angles rounded, moderately finely but not closely punctured, the intervening spaces densely and minutely sculptured, median line smooth. *Elytra* as broad as thorax, their punctation a little coarser, sometimes forming rows, but without distinct striæ. *Legs* with yellow hairs, front *tibiæ* produced at the outer extremity, without denticles, and but little expanded, the others slightly dilated and rounded, ciliate at apex.

A form nearly related to the preceding one.

♂. Length,  $\frac{7}{8}$  line; breadth,  $\frac{3}{8}$ .

Taken by Mr. S. W. Fulton at West Taieri bush, Otago.



**Group—OTIORHYNCHIDÆ.****Trachyphlœus** (p. 430).

1616. **T. cecyropioides**, *n.s.* Ovate-oblong, convex, slightly shining, obscure-ferruginous, clothed with dull-coloured depressed scales and greyish-yellow setæ.

*Rostrum* with many small granular elevations. *Antennæ* stout; scape covered with scale-like matter and coarse greyish setæ; the funicle with greyish hairs, red. *Prothorax* rather broader than long, constricted in front, widest before the middle, the sides not much rounded but narrowed behind; its punctation neither close nor coarse, and the intervals with minute granules. *Elytra* distinctly broader than thorax at the base, their sides scarcely curved, narrowed posteriorly; striate-punctate, interstices convex, with, apparently, very minute granules. *Legs* setigerous.

Somewhat similar to No. 754, larger; the setæ as coarse, much coarser than those of No. 755.

Length (rost. incl.),  $1\frac{5}{8}$  lines; breadth, nearly  $\frac{3}{4}$ .

Discovered near Port Chalmers by Mr. T. Chalmer.

**Group—RHYPAROSOMIDÆ.****Cecyropa** (p. 437).

1617. **C. setigera**, *n.s.* Ovoid, broad; fuscous, tibiæ and tarsi paler, antennæ ferruginous; densely covered with minute, depressed, greyish scales and numerous semi-erect, short coarse setæ.

*Rostrum* normal, with a median depression. *Antennæ* stout, scape squamose and bearing many grey hairs; funiculus hairy, second joint more slender than first, nearly as long as the following two, third longer than fourth, fourth and seventh transverse, the seventh considerably broader than sixth; club ovate, pubescent. *Prothorax* transversal, strongly rounded laterally, constricted in front; its sculpture concealed by the squamosity. *Elytra* cordiform, finely striate-punctate, interstices broad and a little elevated. *Legs* squamose, and, like the sides of the body, clothed with hair-like setæ.

Of the usual form; the sides behind the shoulders less expanded than in Nos. 769 and 770, the hind-body more abruptly deflexed but less narrowed posteriorly; the setæ are obvious, and are disposed in rows on the wing-cases.

Length,  $2\frac{1}{8}$  lines; breadth,  $1\frac{1}{8}$ .

Found at Port Chalmers by Mr. T. Chalmer.

**Group—CYLINDRORHINIDÆ.****Inophlœus** (p. 439).

1618. **I. sulcifer**, *n.s.* Sub-opaque, greyish-black, sparingly clothed with fine, elongate, griseous scales, the whole surface densely covered with minute flattered granules, so as to appear as if covered with scales of the same colour as the derm.

*Rostrum* shorter than thorax, its median carina smooth and shining. *Antennæ* pilose; the two basal joints of the funiculus of equal length; club elongate-oval, densely pubescent. *Prothorax* about as long as broad, widest before the middle, the sides gradually narrowed behind; somewhat uneven, with a more or less evident longitudinal sulcus. *Scutellum* minute. *Elytra* broader than thorax, nearly twice its length, humeral angles rounded, sides very little curved, narrowed posteriorly; striate-punctate (six discoidal rows on each), interstices slightly convex, the sutural quite plane, the third gradually elevated and terminating in protuberances on the summit of the posterior declivity, apices projecting. *Tibiæ* densely pilose towards the extremity. *Underside* clothed and sculptured like the upper; basal segment of abdomen broadly impressed behind.

Differs from *I. inuus* in possessing a rather shorter rostrum, a thoracic groove, shorter hind-body of more oblong outline, less attenuated and prolonged apically, and without distinctly raised alternate interstices. In the female the hind protuberances are nearly absent, and the apices are scarcely perceptibly produced.

Length,  $6\frac{1}{2}$ –7 lines (rost. incl.); breadth,  $2\frac{1}{2}$ .

Taken on the mountainous region of Lake Tekapo by Messrs. Cheeseman and Urquhart.

### Group—HYLOBIIDÆ.

#### *Eiratus* (p. 447).

1619. *E. ornatus*, n.s. Ovate-oblong, sub-depressed, opaque, fusco-piceous, tarsi and antennæ (save the club) rufous, sparsely clothed with bright-yellow hairs.

*Rostrum* as long as thorax, punctate. *Antennæ* with a few fine hairs; scape gradually incrassated, densely and finely lineated; funiculus longer than club; the latter oval and densely pubescent. *Prothorax* longer than broad, abruptly contracted in front, the sides straight behind; somewhat uneven, rather coarsely but not closely punctate. *Elytra* bisinuate at base, broader than thorax, twice its length, the sides but little curved, narrowed behind; each with six discoidal rows of punctures; interstices smooth, all more or less obviously but interruptedly carinated, there being two or three elongate and some smaller elevations on each, those on the third, fifth, and seventh most conspicuous. *Legs* stout, with greyish hairs; the penultimate joint of the *tarsi* densely ciliated with elongate white hairs. *Underside* pitchy, coarsely punctate, basal segment of abdomen broadly impressed, apical segments paler.

Most nearly related to *E. costifer*. The anterior contraction of the thorax, the interrupted elytral costæ, and conspicuous clothing render the species distinct. I think it likely that quite perfect examples of all the other species will exhibit the same dense fringe on the second-last joint of the tarsi.

Length (rost. incl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$ .

I found one pair on the Waitakerei Range.

## Group—ERIRHINIDÆ.

## Cyttalia.

1620. *C. dispar*, *n.s.* Body slightly shining, covered with greyish scale-like hairs, head and thorax piceous, elytra and legs obscure infusate-red, tarsi and antennæ paler, club rufo-fuscous.

*Rostrum* rather longer than thorax, slightly arched, reddish, but pitchy at apex, with three more or less obvious costæ, the intervals punctate. *Antennæ* slender and elongate; scape flexuous, slender, thickened at the end, attaining the back part of the eye, with fine, greyish hairs; funiculus bearing coarse, black hairs, equalling the scape in length, basal joint nearly as long as the following two, 2-7 decrease in length; club elongate, articulate, pubescent. *Head* closely punctate, narrowed and rather abruptly constricted in front. *Eyes* prominent, distinctly faceted. *Prothorax* longer than broad, constricted in front, moderately punctured. *Scutellum* distinct. *Elytra* twice the breadth and thrice the length of thorax, rather wider behind the middle than elsewhere, narrowed and declivous behind, transversely impressed behind the base, striate-punctate, interstices broad and finely sculptured. *Legs* elongate; front thighs inflated and slightly dentate underneath, the others compressed, angulated, and dentate; tibiæ flexuose.

In form like the Australian *C. griseipila*, but with a sudden constriction just behind the eyes; these latter, consequently, appear more prominent. The antennæ are much more slender and elongate, the legs also are more slender, and the elytral sculpture is finer.

Length (rost. incl.),  $2\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

Found by Mr. S. W. Fulton at West Taieri bush, Otago.

## Oreocharis.

1621. *O. bicristata*, *n.s.* Elongate, sub-opaque, castaneo-rufous, club infusate, sparsely clothed with yellow hairs.

*Rostrum* rather longer than thorax, slightly arched, a little thickened at apex so as to appear a little contracted where the antennæ are implanted, more closely punctured behind than in front, indistinctly tri-carinate on the middle. *Antennæ* inserted near the apex; scape slender and flexuous; funiculus hairy; basal joint largest, second and third longer than broad, joints 4-6 almost moniliform. *Prothorax* narrowed and constricted in front, moderately coarsely punctured, the intervals narrow. *Scutellum* rather elongate, covered with yellow pubescence. *Elytra* nearly twice as broad at base as the thorax and about four times longer than it, gradually narrowed posteriorly, striate-punctate, interstices broad and rugulose, the second with a small blackish crest near the top of the hind slope. *Legs* stout, anterior femora with a small denticle underneath, the others compressed and angulated and strongly dentate; tibiæ flexuose.

Like *O. picigularis* but larger, and distinguished from the other species by the two elytral crests.

Length (rost. incl.),  $2\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$ .



Mr. S. W. Fulton sent me a specimen which he captured on a *Veronica buxifolia*, on Mount Maungatua, Taieri.

**Praolepra** (p. 454).

1622. **P. fultoni**, *n.s.* Ovoid, convex, sub-opaque, pale brown; legs, beak, and antennæ fusco-testaceous; covered with greyish, elongate, depressed scales and coarse erect setæ.

*Rostrum* cylindrical, arched with more or less distinct grooves and punctures. *Antennæ* furnished with fine grey hairs, rather stout; scape thickened apically; basal joint of funiculus largest, second and third longer than broad and nearly equal, joints 4-7 sub-moniliform, fifth and seventh transverse; club oblong-oval, articulate, pubescent. *Prothorax* transverse, rounded laterally, constricted in front, base sub-truncate; distinctly but not closely punctated, the scales disposed transversely. *Scutellum* small. *Elytra* sub-oblong, striate-punctate, interstices simple. *Legs* stout; femora with elongate, flat, grey scales, clavate and more or less dentate below; tibiæ with fine grey setæ, a little flexuous, slightly mucronate at the extremity. *Underside* fuscous, not distinctly punctated, clothed with whitish hair-like scales.

This species, like *P. squamosa*, has the apex of the prosternum obliquely emarginated to within a short distance of the coxæ; the two obtuse protuberances on the summit of the hind slope of the elytra are not so prominent; the thorax is shorter; the rostrum is stouter, shorter, and not at all attenuated apically; the head is immersed up to the eyes; the antennæ are shorter and more robust; and the hind-body is shorter and more gradually narrowed from the base. Sometimes the wing-cases are variegated with indistinct, dark, irregular marks.

Length (rost. incl.),  $1\frac{1}{8}$  lines; breadth, nearly  $\frac{5}{8}$ .

Taken off creepers, West Taieri bush, Otago, by Mr. S. W. Fulton.

**Group—SCOLOPTERIDÆ.**

**Scolopterus** (p. 472).

1623. **S. abnormis**, *n.s.* Shining, beak and thorax rufopiceous, elytra and legs obscure-ferruginous; antennæ rufopiceous, but becoming darker towards the extremity.

*Rostrum* smooth along the middle, elsewhere more or less punctured and irregularly carinated; the margins of the scrobes sharply defined and elevated. *Eyes* rather small, somewhat rounded, moderately prominent. *Head* broader than snout, punctate. *Prothorax* quite as long as broad, narrowed and very slightly constricted apically, punctate-rugose, more finely and closely in front. *Scutellum* oblong. *Elytra* with rows of small punctures, humeral angles oblique and obtusely prominent, not spiniform; posterior protuberances not much elevated and bearing short, black hairs, the intermediate space impunctate but finely strigose. *Legs* stout, anterior femora clavate, the others compressed and angulated underneath, the hind pair dentiform; tibiæ slightly flexuous.

The form of the hind-body most nearly resembles that of *S. penicillatus* but is much less convex, the shoulders are laterally dilated and oblique instead of being dentiform, and the posterior elevations are a good deal less conspicuous. The chief peculiarity consists in the unusually broad head; it is nearly twice the width of the beak, but the eyes are not nearly so prominent as in *Ancistropterus*, so that the species may be considered a connecting-link between the two genera.

Length (rost. incl.),  $3\frac{3}{4}$  lines; breadth,  $1\frac{1}{2}$ .

One of Mr. T. F. Cheeseman's captures at Otira Gorge.

## Group—CRYPTORHYNCHIDÆ.

### *Psepholax* (p. 478).

1624. *P. mediocris*, n.s. Convex, oblong-oval, sub-opaque, clothed with depressed greyish scales; fuscous, somewhat rufescent; legs, beak, and antennæ dark-red.

*Rostrum* moderate, somewhat contracted behind, shining, moderately punctated. *Prothorax* transverse, much narrowed and constricted anteriorly, punctate. *Elytra* punctate-striate, interstices broad, their sculpture concealed by the squamosity. *Legs* stout, anterior and posterior tibiæ simple; the intermediate expanded towards the middle, where there is a large tooth-like protuberance, the space between it and the outer apical angle appearing as if deeply notched; the extremity oblique.

Most like *P. mystacinus*, differing from it in the structure of the middle tibiæ, which most nearly corresponds with those of Nos. 846, 847, 848, 849 and 851; in Nos. 852, 853, 854, and 1544 the median tooth does not project beyond the line of the outer apical angle.

Length (rost. incl.),  $2\frac{1}{2}$  lines; breadth,  $1\frac{1}{8}$ .

Mount Maungatua, Otago. Taken on *Veronica buxifolia* by Mr. S. W. Fulton.

### *Oreda* (p. 486).

1625. *O. orthorhina*, n.s. Narrow, sub-parallel, opaque, piceous, legs and antennæ pitchy-red, densely covered with greyish-yellow scales and erect fuscous setæ.

*Rostrum* as long as thorax, narrow, parallel or nearly so, rugose-punctate, bearing a few yellow hairs. *Prothorax* closely punctate, contracted in front, base bisinuate. *Scutellum* indistinct. *Elytra* striate-punctate, interstices moderate, punctated. *Legs* squamose, middle and hind tibiæ dentate near the knees and apices. *Underside* somewhat shining, not coarsely punctured; two basal segments of abdomen largest, the first arcuated behind. Raised margins of *pectoral canal* not dentiform in front as in *O. notata* and *O. murina*.

This species, on account of the elongate, parallel-sided beak, especially of the female, can only be mistaken for No. 865, but in *O. setigera* the snout is densely squamose, except near the end; it is also shorter, broader, and more oviform, and has the thorax more abruptly contracted in front.

Length (rost. excl.),  $2\frac{3}{8}$  lines; breadth,  $1\frac{1}{8}$ .

Found near Dunedin by Mr. T. Chalmer,

## Group—COSSONIDÆ.

## Pentarthrum (p. 508).

1626. *P. angustum*, *n.s.* Narrow, almost parallel, widest behind middle of thorax, sub-depressed, but little shining, dark-red; apex of thorax, head between the eyes, and extremity of hind-body darkest; tarsi and antennal club pale-red; sparingly clothed with slender, inconspicuous greyish hairs, those on the elytra much shorter than those on the thorax; legs more distinctly clothed.

*Rostrum* shorter than thorax, a little (but widely) contracted behind the middle, indistinctly striate, punctate; the whole surface finely but densely sculptured, and therefore appearing rather rough. *Antennæ* implanted before the middle, scape minutely sculptured; second joint of funiculus longer than third; club ovate. *Head* rather rough between the eyes, its sculpture seeming to be rugose and elevated, slightly dilated laterally behind the eyes; these latter moderate; neck not smooth. *Prothorax* longer than broad, widest near the base, narrowed and constricted anteriorly, posterior angles rounded; disc nearly flat, middle of apex nearly smooth, moderately punctured, fewer punctures on the dorsum than elsewhere, sometimes with a smooth median line; interstices densely and minutely sculptured. *Scutellum* small. *Elytra* nearly twice the length of thorax, not quite so broad, almost parallel, slightly convex, apices not explanate, not deeply (almost crenate) punctate-striate, interstices finely rugose. *Legs* moderately long, densely sculptured, tibiæ not much dilated, their hooks stout; penultimate joint of tarsi bilobed.

♀. A trifle more depressed, rather longer ( $1\frac{3}{4}$  lines), rostrum a little dilated where the antennæ are inserted (middle), narrower behind, moderately punctured; densely, finely sculptured; longer than in the same sex of *P. zealandicum*; neck not smooth.

Of the same colour as No. 908, narrower, less convex, &c.

♂. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$ .

One pair. The female taken off a *Veronica buxifolia* on Mount Maungatua, by Mr. S. W. Fulton; the male found near Dunedin, by Mr. T. Chalmer.

1627. *P. proximum*, *n.s.* Red, head darkest, tarsi and antennal club fulvo-rufous; thorax with a few fine yellow hairs, elytra with inconspicuous, slender, greyish-yellow hairs; slightly glossy, moderately convex.

*Rostrum* stout, parallel, somewhat depressed, sub-canaliculate, rugose-punctate, the punctuation coarser on the head, neck with a few punctures; eyes prominent. *Antennæ* mediately inserted, second joint of funiculus slightly longer than third; club ovate, with fine yellow pubescence. *Prothorax* ovate-triangular, constricted in front, hind angles obliquely rounded, moderately punctured. *Scutellum* smooth. *Elytra* as broad as thorax, not explanate behind, base slightly bi-arcuate; punctate-striate, interstices a little convex, distantly and finely punctured. *Legs* normal, femora densely and finely sculptured, tibiæ punctate.



Allied to *P. brevirostre*; larger, more glossy, differently coloured, beak rather larger, thorax broader and constricted close to the apex, its punctation nearly similar, elytral striæ not so deep, &c.

♂. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{3}{8}$ .

Tuakau (Waikato).

1628. *P. spadiceum*, *n.s.* Fusiform, slightly convex, but little shining, dark castaneo-fuscous, legs, beak, and antennæ red; clothed with fine yellow hairs.

*Rostrum* cylindrical, moderately punctured; neck broad, with excessively fine sculpture and a few punctures. *Antennæ* inserted just behind the middle; second joint of the funicle a little longer than third; club ovate. *Prothorax* gradually narrowed towards the front, constricted at apex, posterior angles obliquely rounded; moderately punctated, the sides more closely than the middle. *Scutellum* smooth. *Elytra* quite as broad as the widest part of the thorax, base feebly arcuated, apices not distended; almost crenate-striate, interstices rugose. *Legs* moderate, femora finely and densely sculptured, tibiæ punctate.

Owing to its form (a good deal narrowed towards the front) this species resembles No. 1431 more than any of the other New Zealand *Pentarthra*, but can be readily separated from it by its prominent eyes, larger and broader thorax, longer and quite cylindrical beak, &c.

♀. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{3}{8}$ .

Found near Dunedin, by Mr. T. Chalmer.

1629. *P. servulum*, *n.s.* Convex, fusiform, gradually narrowed forwards, shining; rufo-piceous, legs pitchy-red, tarsi and antennæ ferruginous; very sparsely (not very perceptibly) clothed with minute greyish hairs.

*Rostrum* cylindric, moderately finely punctate; occiput with a few punctures; eyes moderate. *Antennæ* implanted just behind the middle; second joint of funiculus longer than third; club oviform. *Prothorax* sub-conical, posterior angles oblique, leaving an evident gap between them and the elytra, widest near the base, gradually narrowed anteriorly, constricted at apex, neither closely nor coarsely punctured. *Scutellum* smooth. *Elytra* cylindrical, base feebly arcuated, apical margins thickened; distinctly punctate-striate, interstices with a row of minute dots. *Legs* stout, punctate, sparingly clothed.

*P. rufum* and allies are more coarsely sculptured; No. 1298 has the thorax rather narrower behind, so that the median notch is less obvious; the snout is stouter than that of *P. zealandicum*.

♀. Length,  $1\frac{1}{2}$ – $1\frac{5}{8}$  lines; breadth,  $\frac{3}{8}$ .

Taieri, Otago. Two examples from Mr. S. W. Fulton.

### *Agastegnus* (p. 805).

1630. *A. coloratus*, *n.s.* Depressed, elongate, not very narrow, moderately shining; beak, thorax, legs, and antennæ rufescent, head and club piceous; elytra fusco-testaceous, with large, ill-

defined dark spaces on the sides and back part of the disc; head and thorax bearing fine elongate golden hairs, those on the wing-cases more slender, paler, and less easily seen.

*Rostrum* nearly as long as thorax, slightly narrowed behind, excessively finely sculptured, the anterior punctation much finer and more distant than that on the head; occiput (or neck) nearly smooth. *Antennæ* springing from just before the middle, long and stout; club densely pubescent. *Prothorax* abruptly contracted and constricted in front, rounded laterally; apex nearly smooth, the rest of its surface sculptured in the same way as the head (*id est*, punctation neither close nor coarse), the dorsum longitudinally impressed, with a more or less evident smooth linear space dividing the impression into two. *Scutellum* glossy. *Elytra* broader than thorax, base sub-truncate, shoulders almost rectangular but not acute, sides nearly parallel to beyond the hind thighs, from thence much narrowed apically; plane above, almost crenate-punctate-striate, interstices appearing rugulose. *Legs* long and robust, finely and closely sculptured, the anterior tibiæ fringed inwardly and apically with yellow hairs.

The largest species of the genus found as yet. Easily identified by the coloration.

♂. Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{3}{8}$ .

I found it at Tuakau (Waikato).

### **Proconus** (p. 807).

1631. **P. crassipes**, *n.s.* Shining, pale-castaneous; head and irregular marks on elytra darker, beak reddish, antennæ and tarsi fulvescent; depressed, sparsely clothed with minute, semi-erect, greyish hairs.

*Rostrum* longer than broad, narrowed behind; with an indistinct longitudinal impression furcate in front; more finely punctured than head, back part of the latter nearly smooth. *Antennæ* inserted medially, bearing fine yellow hairs; scape shorter than funiculus, incrassate; second joint of the funicle a little longer than third, joints 3-5 transverse; club stout, ovate, pubescent. *Prothorax* widest behind, posterior angles rounded, sides a good deal curved, narrowed anteriorly, constricted at apex; moderately finely and distantly punctured; dorsum rather flat, but not impressed. *Scutellum* smooth. *Elytra* as broad as thorax, parallel, narrowed apically; not deeply punctate-striate, interstices simple, none raised behind. *Legs* robust; penultimate tarsal joint not bilobed, apical joint about as long as the preceding three, and much thickened apically; claws small but stout.

Smaller than the typical species (No. 921), and differently coloured.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{1}{4}$ .

Helensville (Kaipara Railway).

### **Group—LAMIIDÆ.**

#### **Xylotoles** (p. 592).

1632. **X. sandageri**, *n.s.* Sub-cylindrical, glossy, head and

thorax more or less bronzed-green, elytra purplish-brown, legs and antennæ rufescent; the tibiæ and tips of most of the antennal joints infusate; nearly nude.

*Head* smooth, bearing a few fine grey hairs; eyes ciliated. *Prothorax* scarcely longer than broad, nearly cylindric, slightly and obtusely dilated laterally; feebly impressed transversely near base and apex; it bears a few minute, almost isolated, grey hairs on the disc, and an inconspicuous patch on each side. *Elytra* moderately narrowed, but not prolonged nor dehiscent apically; sutural striæ not attaining the base; with two small patches of fine whitish pubescence on the shoulders, the rest of their surface impunctate, and sparingly clothed with isolated whitish hairs, which, however, become somewhat congregated behind, but without forming distinct spots. *Legs* and antennæ with longer hairs. *Underside* brownish, clothed like the upper surface, but having small grey spots on the sides of the abdomen.

Intermediate in form between *X. griseus* and *X. latus*. Easily known by the absence of perceptible punctation.

Length,  $3\frac{1}{2}$ – $3\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$ .

Found by Mr. P. Stewart-Sandager in the flower-stems of *Phormium*, on Tiritiri Island.

1633. **X. maculosus**, *n.s.* Body greyish-bronzed-brown, moderately shining, base of femora testaceous, antennæ and legs variegate (rufescent and spotted with brown); evenly covered with fine yellowish-grey pubescence; inner margin of eyes and apex of scutellum fringed with tawny-yellow hairs, similar hairs form three spots on each elytron in an oblique row from the middle thigh and two (in an opposite direction) behind the posterior femur.

*Head* longitudinally concave. *Prothorax* longer than broad, slightly constricted near base and apex, with a short transverse impression before the base and one on each side near the middle. *Elytra* little broader than thorax, humeral angles rectangular, gradually narrowed as far as the hind thighs, but from thence a good deal attenuated, apices acutely rounded; the punctation scarcely extends to the middle.

Somewhat similar to *X. griseus*, but differently marked, with shorter hind-body much more attenuated and dehiscent posteriorly; much broader than *X. nudus*, with more prominent shoulders. Probably most nearly related to *X. subpinguis*.

Length,  $3\frac{1}{2}$  lines; breadth, 1.

My specimen was taken by Mr. T. Chalmer, near Dunedin.

## Group—FERONIIDÆ.

### *Trichosternus* (p. 31).

1634. **T. erythropus**, *n.s.* Oblong, slightly convex, glossy æneous-black, mandibles and antennæ pitchy-red, tips of palpi rufo-testaceous, legs and coxæ rufous.

*Head* rather broad; eyes prominent, their orbits somewhat inflated. *Prothorax* transversely quadrate, sides well rounded and



sinuously narrowed behind, posterior angles rectangular, apex incurved, base emarginate; moderately convex, with feebly-marked aciculate impressions, dorsal groove not abbreviated, basal fossæ large and deep, lateral rims scarcely reflexed. *Scutellum* lineated at base. *Elytra* oblong, broader than thorax, shoulders dentate, widest in line with posterior femora, their sides curved, deeply sinuated posteriorly; punctate-striate; interstices slightly raised, the third and fifth tri-punctate, seventh with about six large punctures. *Legs* stout, thighs swollen. *Underside* shining, pitchy-black.

In all the known *Trichosterni* the intermediate and, to a less extent, the posterior tibiæ are ciliated with *outstanding* spiniform bristles, but in this species the latter are *depressed* and *flexible*. The form most nearly resembles the female *T. fultoni*; the thoracic angles are not quite so prominent, the elytra are broader, more rounded, and decidedly more sinuous posteriorly, their striæ are well marked, but the punctures are small. The body is more brightly coloured, and the limbs are quite red.

♀. Length,  $8\frac{3}{4}$  lines; breadth,  $3\frac{1}{4}$ .

Habitat, Rock and Pillar Mountains, Strath-Taieri: Mr. S. W. Fulton.

1635. **T. meritus**, *n.s.* Oblong, moderately convex, shining, coppery (red), black, tarsi piceous, tips of palpi rufescent.

*Head* slightly rugose in front; eyes prominent. *Prothorax* moderately convex, quadrate, transverse, anterior angles rounded, sides not much curved, narrowed but only slightly sinuated posteriorly, hind angles rectangular, not projecting, lateral margins slightly reflexed and thickened behind; basal foveæ large and deep, median groove distinct, its surface nearly smooth. *Scutellum* unimpressed. *Elytra* oblong, humeral angles prominent, sides moderately rounded, sinuated apically; punctate-striate, the punctation small but distinct; interstices a little convex, the third with three, the seventh with five or six large punctures. *Legs* normal. *Underside* pitchy-black, bearing some fine, irregular, linear impressions.

Allied to *T. waihorensis*, but with a quite different thorax; the space between the basal fossæ is depressed.

♂. Length,  $10\frac{1}{4}$  lines; breadth,  $3\frac{3}{4}$ .

Found near Invercargill by Mr. T. Chalmer.

1636. **T. angulatus**, *n.s.* Oblong, moderately convex, glossy coppery-black, tips of palpi rufescent, legs and antennæ pitchy-black.

*Head* rather large, somewhat rugose in front; eyes large and prominent, their orbits swollen. *Prothorax* transversely quadrate, convex, well rounded laterally, with a short posterior sinuation, hind angles prominent, quite protuberant, base and apex incurved and ciliated, rims slightly elevated; basal impressions large, the front somewhat impressed, disc finely striated across, dorsal furrow distinct. *Scutellum* striate. *Elytra* oblong, rounded laterally, shoulders dentate, sinuated apically; punctate-striate, the punctures

small but distinct; interstices slightly convex, the third tri-punctate, seventh multi-punctate. *Legs* robust. *Underside* pitchy-black, with fine linear marks.

The conspicuous thoracic angles distinguish this species.

♂. Length,  $9\frac{1}{2}$  lines; breadth,  $3\frac{1}{4}$ .

Invercargill. Discovered by Mr. T. Chalmer.

1637. **T. convexus**, *n.s.* Oblong, convex, shining, cupreo-niger, legs and antennæ rufo-piceous.

*Head* nearly smooth; eyes prominent, orbits inflated. *Prothorax* quadrate, transversal, apex incurved, base widely emarginated, sides moderately rounded, with a short sinuosity behind, causing the angles to appear prominent; disc rather convex, the basal portion between the fossæ somewhat flattened, with a curved frontal impression, dorsal stria distinct. *Scutellum* striate. *Elytra* oblong, but little rounded, shoulders dentate, apical sinuations distinct; sub-punctate-striate, striæ deep; interstices moderately convex, the third with three, the seventh with several large punctures, feebly impressed transversely. *Underside* pitchy-black.

The thorax is more convex than in any species as yet described from Otago. *T. angulatus* makes the nearest approach to it in that respect, but the angles differ. The punctures in the elytral furrows are hardly discernible.

♂. Length,  $9\frac{3}{4}$  lines; breadth,  $3\frac{1}{2}$ .

Another of Mr. Chalmer's captures near Invercargill.

1638. **T. agriotis**, *n.s.* Elongate-oblong, convex, shining-black, tarsi and antennæ piceous, apices of palpi rufescent.

*Head* nearly smooth, not broad; eyes conspicuous, their orbits inflated. *Prothorax* quadrate, yet rather broader than long, moderately convex, its sides moderately rounded from the anterior angles to near the base, from thence sinuously narrowed to the rectangular, hardly protuberant, angles, apex incurved, base emarginated; basal fossæ large, leaving only a small raised space between them and the sides, median furrow abbreviated in front, slightly curvedly impressed near the apex. *Scutellum* striate at base. *Elytra* convex, shoulders dentate, apical sinuosities moderate; punctate-striate, the punctuation fine; interstices convex, the third with two or three, the fifth with one (perhaps none in some examples), the seventh with several large punctures, these impressed interstices rather broader than the others. *Legs* stout. *Underside* black.

Allied to the preceding species (*T. meritus*), yet abundantly distinct; the hind-body is more convex, and the plain black colour is relieved by faint tinges only of a coppery colour on the depressed parts of the thorax.

♂. Length,  $10\frac{1}{2}$  lines; breadth,  $3\frac{3}{4}$ .

Invercargill. We are indebted to Mr. T. Chalmer for this species also.

1639. **T. erraticus**, *n.s.* Convex, oblong, shining, æneo-niger,

legs rufo-piceous, antennæ pitchy, tarsi and palpi pitchy-red, tips of the latter castaneous.

*Head* almost smooth, rather large; eyes prominent, orbits inflated. *Prothorax* transversely quadrate, widest at the middle, sides well rounded and sinuously narrowed behind, apex deeply incurved, base emarginated, posterior angles scarcely protuberant, lateral margins slightly reflexed, side channels expanded behind; disc convex, with traces of transverse lines, a curved frontal impression, moderate discoidal groove, and the common large basal fossæ, the space between these latter depressed. *Scutellum* striate at base. *Elytra* convex, humeral angles prominent, oblong, moderately curved laterally, not strongly sinuated posteriorly; punctate-striate, punctures small; interstices slightly convex, the third and seventh with punctiform impressions. *Legs* robust.

Larger and more convex than *T. fultoni*, the thorax more deeply arcuated in front and more rounded laterally; the elytral interstices have many shallow transversal impressions.

♂. Length,  $10\frac{1}{2}$  lines; breadth,  $3\frac{1}{2}$ .

Taieri. Mr. S. W. Fulton sent me a specimen some time ago as No. 56.

1640. **T. riparius**, *n.s.* Oblong, convex, shining, head black, thorax nigro-cupreous, elytra black tinged with red, legs rufo-piceous, tarsi and antennæ pitchy-red, palpi paler.

*Head* moderately large; eyes convex, their orbits inflated but rapidly narrowed behind. *Prothorax* transversely quadrate, apex widely but not very deeply arcuated, base arcuate-emarginate, anterior angles rounded, the lateral curvature not very strong, moderately sinuously narrowed behind, posterior angles rectangular, not projecting; it is convex, but depressed along the base, basal fossæ large, the space beyond them flattened, discoidal stria deepest behind, with an indistinct curved frontal impression and many obsolete linear marks on the dorsum. *Scutellum* striate at base. *Elytra* convex, oblong, humeral angles protuberant, sides moderately curved, widest behind the middle, sinuated apically; punctate-striate, the punctuation fine, interstices convex, quite regular until approaching the apices, the third with four, the seventh with five rather deep but not very large punctures. *Legs* simple. *Underside* pitchy-black.

Owing to the convexity of the front part of the thorax and middle of the elytra the insect, when examined sideways, appears to be medially depressed. It is of somewhat compact form, not unlike that of *T. difformipes*, but otherwise it is quite different.

♀. Length, 10 lines; breadth,  $3\frac{3}{8}$ .

Taken by Mr. S. W. Fulton, of Outram, under rocks in the bed of the Lee Stream, Taieri.

1641. **T. curtulus**, *n.s.* Oblong, moderately convex, glossy-black, legs and antennæ piceous, tarsi and palpi piceo-rufous, apices of the last mentioned paler.

*Head* moderately large; eyes convex, with swollen orbits abruptly



narrowed behind. *Prothorax* transverse, quadrate, moderately convex, apex slightly incurved, base emarginated, the lateral curvature regular and not very strong till near the base, where the sides are sinuously narrowed, the hind angles appearing somewhat protuberant; the disc is very even, the basal cavities moderately elongate but not very broad, so that there are no very evident depressions between or beyond them; dorsal groove distinct; the surface presents no well-marked impressions except the fovea-like expansions at the ends of the usual frontal mark. *Scutellum* striate at base. *Elytra* quite oblong, rounded laterally, convex, widest behind the middle, shoulders dentate; punctate-striate, the punctures small but distinct; interstices a little raised, very regular, third tri-punctate, seventh sex-punctate. *Legs* simple. *Underside* black.

A rather broad insect, not exactly like any other known species. When compared with the female of *T. fultoni* the differences in the length and breadth of the hind-body become very obvious; it is, moreover, more convex, the posterior sinuation of the thorax is much shorter, so that the angle seems to be turned outwards to a greater extent, the elytral interstices are more elevated, and the colour is pure black.

♀. Length,  $8\frac{1}{2}$  lines; breadth,  $3\frac{1}{4}$ .

Found on the Rock and Pillar Mountains, Strath-Taieri, by Mr. S. W. Fulton.

1642. ***T. suspicax***, *n.s.* Oblong, convex, glossy-black, legs and antennæ rufo-piceous, tarsi and palpi piceo-rufous.

*Head* smooth, eyes prominent, with large orbits. *Prothorax* transversely quadrate, apex slightly incurved, base widely, but not deeply, arcuate-emarginate, widest before the middle, sides moderately and regularly rounded, gradually narrowed posteriorly, hind angles not in the least turned outwards; disc convex, its median furrow distinct, basal fossæ large, with two more or less obvious intervening impressions, the frontal curved impression moderate. *Scutellum* striate at base. *Elytra* convex, shoulders dentate, quite oblong, very little rounded laterally, widest after the middle; punctate-striate, the punctures small but distinct; interstices slightly elevated, third and seventh with large punctures, the former with three, the latter with four only. *Legs* simple. *Underside* rufo-piceous.

The general contour resembles that of the preceding species (*T. curtulus*) rather than any other, but the hind-body is slightly longer and less rounded, though the apical sinuosities are similar. The sides of the thorax from the middle backwards are very gradually narrowed, without the least sinuation (so that the angles are barely rectangular): in that respect it most nearly approaches *T. temukensis*, but in it the posterior angles are protuberant, and its hind-body is widest before the middle, with the alternate interstices reduced in width.

♀. Length, 8 lines; breadth,  $3\frac{1}{8}$ .

From the same source as the last (*T. curtulus*).

1643. **T. amplicollis**, *n.s.* Oblong, moderately convex, nigro-viridis, head black, legs and antennæ rufo-piceous, tarsi and palpi pitchy-red.

*Head* rather large but not broad, rugose in front, with some feeble linear marks on the occiput; eyes convex, their orbits much narrowed behind. *Prothorax* quadrate, yet a little transverse, widely incurved at apex, base not deeply emarginated, its sides very little rounded, gradually narrowed till near the base, where there is a short sinuation, posterior angles projecting but not acute; disc moderately convex, its groove distinct, basal fossæ large but not very broad, without any very evident intervening depression, very slightly impressed in front, where it has many fine irregular longitudinal marks more obvious than the transverse ones on the dorsum. *Scutellum* striate at base. *Elytra* oblong, moderately rounded laterally, rather deeply sinuated apically, shoulders dentiform; punctate-striate, punctuation fine; interstices slightly convex, the third with four, the seventh with six large punctures. *Underside* pitchy-black. *Legs* stout.

The shape of the thorax approximates to *T. chloris*, *T. patruelis*, and *T. planiusculus* only, but it is more convex, and the posterior angles are dissimilar. The elytra are blackish-green, and the depressed parts of the thorax are more cupreous.

♂. Length, 9 lines; breadth,  $3\frac{1}{4}$ .

Taieri: Mr. S. W. Fulton.

## Group—BEMBIDIIDÆ.

### Anillus.

1644. **A. pallidus**, *n.s.* Sub-depressed, shining, pale-testaceous, bearing many minute setæ and short, erect greyish hairs.

*Head* moderately large but not broad, widely but not deeply bisulcate; *mandibles* stout, acute at extremity; no *eyes* visible. *Antennæ* quite the length of head and thorax, stout, the two basal articulations longest, joints 3-10 nearly equal, moniliform, eleventh ovate, not so long as the preceding two; terminal joint of *palpi* minute, the penultimate as large as the second antennal joint. *Prothorax* cordiform, finely marginated, apex truncate, base arcuate-emarginate, widest before the middle, gradually narrowed posteriorly, hind angles obtuse, with a fine median stria and small oblique basal foveæ. *Elytra* sub-oblong, broader than thorax, finely marginated, shoulders rounded, apices sub-truncate, their sides a little curved, suture well marked; discoidal portions rather plane, their sides abruptly declivous, so as to appear somewhat carinate, with a fuscous streak near each side. *Legs* stout, yet elongate; anterior tibiæ much bent outwardly near the extremity, with a corresponding inner incurvature armed at its upper part with a robust calcar-like process; four basal joints of tarsus about equal, about as long as broad, fifth longest.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

One of Mr. S. W. Fulton's discoveries on the Taieri seabeach. The characters of the genus are given by Lacordaire, *Hist. des Ins. Coléop.*, Tom. I., p. 380.

**Bryaxis** (p. 124).

1645. **B. sylvicola**, *n.s.* Convex, shining, dark-red, tarsi fulvescent, nearly glabrous.

*Head* nearly as large as thorax, smooth, indistinctly quadri-foveolate; eyes not prominent. *Antennæ* stout, longer than head and thorax, pubescent, two basal joints cylindric, first longest; third about as long as second, but narrowed at base; fourth smallest, about as long as broad, moniliform; fifth larger than the preceding one; sixth transverse, almost cup-shaped, its point of articulation a little to one side; joints 7 and 8 smaller than sixth, transversal; ninth large, truncate at base, its outer apex prolonged so as to embrace the basal portion of the tenth; tenth large, ovate, yet much smaller than ninth; the five terminal articulations punctate. *Prothorax* small, smooth; widest near the middle. *Elytra* about twice the size of thorax, sutural striæ well marked; rounded laterally. *Hind-body* deflexed, the two basal segments nearly equal, apparently impunctate, but bearing a few short yellow hairs. *Legs* simple. *Underside* fusco-rufous; *metasternum* flattened on the middle; anterior *coxæ* armed with protuberant spines.

Allied to *B. micans*, *B. clavatus*, and *B. dispar*, but differing therefrom in the structure of the antennæ, &c.

♀. Incog.

♂. Length,  $\frac{3}{4}$  line; breadth,  $\frac{3}{8}$ .

I found two in the Paparoa bush, near Howick.

**Euplectus** (p. 139).

1646. **E. crassipes**, *n.s.* Pubescent, castaneo-rufous; legs and palpi fulvescent; moderately convex and shining.

*Head* smaller than thorax, rounded laterally, with two foveæ prolonged forwards, the inter-antennal space obtusely raised, eyes small. *Antennæ* pubescent, as long as head and thorax; two basal articulations stout, cylindric; third smaller than second, yet longer than broad; fourth and fifth about equal, quite as long as broad; joints 6, 8, and 9 nearly equal, transverse, moniliform; seventh larger than the contiguous ones, rather longer than broad; tenth larger than ninth, transverse; eleventh thrice as large as tenth, ovate. *Prothorax* longer than broad; oviform, with a large (somewhat triangular) fovea on the middle, near the base, connected with the fovea at each side; no distinct dorsal channel. *Elytra* oblong, widest near the middle; clothed with depressed greyish hairs, each with a sutural stria and intra-humeral impression. *Hind-body* as long as elytra, narrower, pubescent, not distinctly sculptured. *Legs* robust; femora thick, much arched above; tibiæ and tarsi short and stout.

It should be placed near *E. longulus*, but the legs are thicker than those of any of our species.

♂. Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

I found this little fellow near Howick (Auckland).

1647. **E. patruelis**, *n.s.* Rufous, slightly glossy, legs and



antennæ fulvous, tarsi and palpi yellow, clothed with greyish-yellow hairs.

*Head* punctate, the inter-ocular foveæ extending forwards to the forehead; eyes distinct. *Antennæ* about as long as head and thorax, their two basal joints stout; second rounded; third rather larger than fourth; joints 4-8 nearly equal, moniliform; eighth slightly smaller than seventh; ninth and tenth transverse, twice the bulk of the preceding; eleventh ovate, large. *Prothorax* oviform, quite as long as broad, punctate, with three basal foveæ joined together by an impression; the discoidal sulcus broad and deep, but not attaining the apex; the lateral foveæ prolonged. *Elytra* oblong, paler than thorax; sutural and basal impressions distinct. *Hind-body* apparently impunctate.

Like *E. ovithorax*, but longer, the legs and elytra longer, the punctuation of the head and thorax more obvious, without any raised inter-antennal space, and with slight differences in the structure of the antennæ.

Length, quite  $\frac{3}{4}$  line; breadth, quite  $\frac{1}{4}$ .

HAB.—Paparoa (Howick).

1648. *E. monticola*, n.s. Rufescent, shining, sparsely pubescent, legs fulvescent.

This species closely resembles *E. patruelis*, but the eyes are smaller; the head and thorax are more finely sculptured, and the impression on the head is continuous and deeper, so that the foveæ are not well marked off from it.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

Taken by myself on the Waitakerei Range.

1649. *E. ovithorax*, n.s. Rufous, slightly glossy, legs and antennæ rufo-fulvous, tarsi and palpi yellow, clothed with fine greyish-yellow hairs.

*Head* narrower than thorax; punctate, with two well-marked inter-ocular foveæ and a much larger frontal depression, the parts around the foveæ and between the antennæ appearing as if obtusely elevated; eyes moderate. *Antennæ* nearly as long as head and thorax; the two basal articulations about equally large; third very little larger than fourth; joints 4-7 nearly similar; eighth rather smaller than seventh; the next two twice as large as eighth, and strongly transverse; eleventh large. *Prothorax* quite as long as broad, oviform; its discoidal punctuation shallow, with three basal foveæ connected by a transverse line, the central one having a definite sulcus proceeding from it, but not reaching the apex. *Elytra* oblong, narrowed towards the shoulders; sutural striæ wide and deep, the base with two elongate depressions, their sculpture obsolete. *Hind-body* pubescent. *Legs* simple.

The punctuation of the head and thorax, the latter rather long and oval, will serve as distinguishing characters. *E. asper* perhaps comes nearest to it.

Length,  $\frac{3}{4}$  line; breadth, quite  $\frac{1}{4}$ .

Taken at Woodhill, near Kaipara Railway.

1650. **E. obnisus**, *n.s.* Convex, shining, castaneo-rufous, tarsi fulvous, sparingly clothed with greyish-yellow hairs.

*Head* shorter than but nearly as broad as thorax, punctate, the inter-ocular foveæ continuous with a depression occupying most of the surface, the occipital portion appearing like an abbreviated triangular projection; eyes distinct. *Antennæ* almost as long as head and thorax, their two basal joints about equal in length; the second more slender and bead-like than first; third rather longer than fourth; joints 4-8 not very appreciably different, quadrate; ninth and tenth strongly transverse and a good deal larger than the preceding; eleventh large. *Prothorax* oviform, its length and breadth about equal, with shallow obsolete punctation; the median channel deep from base to apex, the three ante-basal foveæ united. *Elytra* oblong-quadrate, their sutural striæ and intra-humeral impressions well marked, but without other obvious sculpture. *Legs* stout, tibiæ arcuated externally. *Hind-body* as broad as the wing-cases, pubescent, not perceptibly punctured.

More convex than No. 259 (*E. sculpturatus*), broader, the depression on the head nearly similar but sculptured, the sides of the head not straight and obtusely elevated as in that species, and the inter-antennal portion plane.

Length,  $\frac{5}{8}$  line; breadth,  $\frac{1}{4}$ .

Found on the Waitakerei Range.

1651. **E. vacuus**, *n.s.* Sub-depressed, not very glossy, elytra and abdomen rather densely covered with short, depressed, greyish-yellow hairs, of a chestnut-red colour, elytra, legs, and antennæ paler, palpi and tarsi fulvous.

*Head* trigonal, not so broad as thorax, with two large, isolated foveæ on the vertex, frontal tubercles small, no part much elevated; eyes rather small. *Antennæ* nearly the length of head and thorax, the two basal joints stout; second longer than broad; third as long as broad; joints 4-8 about equal, transversely quadrate; the following two transverse, nearly twice the bulk of the eighth; eleventh large. *Prothorax* transversal, rounded laterally, the foveæ near the posterior angles large and deep, and joined together by an angulated depression which does not form a well-marked central fovea; dorsal sulcus short, like an elongated fovea; its surface with a closer but shallower punctation than the head. *Elytra* oblong, large, sutural striæ broad, the basal impressions not distinctly prolonged backwards. *Abdomen* as long as the wing-cases, and, like them, without evident sculpture.

I believe this species to be unique so far as the structure of the antennæ is concerned, no other that I know having the intermediate articulations so transversal; the large lateral foveæ cause the sides in front of the thorax to appear swollen, after the fashion common in the genus *Sagola*.

Length,  $\frac{5}{8}$  line; breadth, nearly  $\frac{1}{4}$ .

Detected at Paparoa (Howick).

1652. **E. incomptus**, *n.s.* Shining, sparsely clothed with fine,

chiefly decumbent, greyish hairs, rufous, legs and antennæ fulvous, tarsi and palpi yellow.

*Head* rather short and broad, the inter-ocular foveæ large, the channels proceeding from them rather shallow, the front of forehead slightly raised; eyes small yet distinct. *Antennæ* shorter than head and thorax; second joint not much longer than broad, stout; joints 3-8 very much alike; third slightly longer than broad; eighth quite transverse; ninth not twice the size of eighth, transverse; tenth of similar form but nearly double the breadth of ninth; eleventh rather short but large and acuminate. *Prothorax* scarcely wider than head, about as long as broad, its sides curved, the external foveæ conspicuous, the middle one like a triangular impression, all three united. *Elytra* broader and much longer than thorax, sutural grooves broad, basal impressions wide but not continued posteriorly. *Hind-body* as large as elytra. *Legs* moderate, tibiæ arched externally, tarsi short and thick.

It is difficult to indicate the species near which this should be located. The short, broad head may be termed distinctive; the middle joints of the antennæ are rather short, like those of *E. vacuus*; and there are indistinct, shallow punctures on the head, thorax, and wing-covers.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

I found two examples many years ago at Tairua.

1653. **E. mirificus**, *n.s.* Sub-depressed, moderately shining, castaneo-rufous, legs and antennæ fulvescent; pubescent.

*Head* about as large as thorax, sub-quadrate; with a longitudinal depression near each side united on the vertex by a transversal one, the forehead nearly plane and punctate; the margins from the antennæ backwards obtusely and unevenly elevated; the occipital portion obliquely narrowed, truncated in front, and projecting over depressed part; eyes very small. *Antennæ* as long as head and thorax, basal joint red, stout, cylindric; second much shorter; third a good deal longer but more slender than second; 4-7 nearly equal to one another, quadrate; eighth much smaller than the contiguous ones; ninth and tenth transverse, the latter nearly twice the size of the former; eleventh large. *Prothorax* cordiform, about as long as broad, with three basal impressions united by a transversal one, dorsal sulcus abbreviated, the punctate sculpture indistinct; it bears some fine yellow hairs like those on the head. *Elytra* quadrate, narrowed in front, covered with short and longish greyish hairs; sutural striæ and intra-humeral impressions moderate, not distinctly punctured. *Hind-body* longer and almost as broad as elytra, the three visible basal segments equal, pubescent. *Legs* moderately stout, tibiæ arcuated outwardly, the anterior seemingly grooved on their front face.

The form and sculpture of the head distinguish this curious creature. The front tibia appears to be hollowed out as if for the reception of the tarsus, just like some of the *Byrrhidæ*.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

I took this beetle from the underside of a log near Howick.



1654. **E. U-impressus**, *n.s.* Shining, pubescent, without distinct punctation, chestnut-red, legs and antennæ fulvous.

*Head* smooth, as large as thorax, sub-quadrate, rather plane, its impressions forming a reversed U, the margin of the forehead slightly raised; eyes not prominent. *Antennæ* as long as head and thorax, the two basal articulations stout; second shorter than first, and somewhat rounded; third longer than broad; joints 4-8 nearly equal; ninth and tenth transverse, tenth nearly twice the breadth of ninth; eleventh large. *Prothorax* not longer than broad, widest near the middle, sub-cordate, with a curved ante-basal impression uniting the three foveæ, the space behind with three punctures. *Elytra* quadrate, base incurved, laterally narrowed in front, striæ and basal impressions well marked. *Hind-body* normal.

More like *E. brevitarsis* than any other. It is remarkable for the deep, uninterrupted, U-shaped channel on the head; in this respect it is similar to *E. crassipes*.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

Discovered at Woodhill (Kaipara Railway).

1655. **E. cereus**, *n.s.* Sub-depressed, pale-yellow, clothed with yellow hairs, shining.

*Head* rather longer than broad, the inter-ocular foveæ continuous with a moderate depression occupying most of the surface, inter-antennal space sub-carinate; eyes small. *Antennæ* about as long as head and thorax, first joint stouter than second; third nearly as long as but more slender than second; fourth and sixth equal, nearly quadrate but rounded; fifth and seventh equal, each longer than broad, larger than those nearest to them; eighth smallest; ninth scarcely double the size of the preceding one; tenth transverse, larger than ninth; eleventh large. *Prothorax* hardly larger than head, much narrowed posteriorly, with three ante-basal foveæ joined together in the usual manner, the raised space behind with three large punctures. *Elytra* sub-quadrate, nearly twice the width of thorax, much narrowed towards the shoulders, base arcuate-emarginate, sutural sulci broad, intra-humeral impressions large, elongate-triangular. *Hind-body* nearly as broad as the wing-cases. *Legs* moderately elongate, tibiæ slightly curved externally, the intermediate with a short, thick calcar near its inner extremity; tarsi stout, their two basal joints furnished with elongate, spiniform hairs at the end.

It is not without hesitation that I place this species with the other *Euplecti*, on account of the structure of the maxillary palpi; these latter accord better with the description of *Dalma*.

Length, 1 line; breadth,  $\frac{3}{8}$ .

Two were taken by myself on the Waitakerei Range.

**Obs.**—In all the foregoing species the three basal segments usually seen from above are strongly margined laterally and on the same plane; the fourth, equally large, is more or less deflexed, and the two apical ones are not distinctly separated above. In a dissected specimen I found a supplementary basal segment, anterior to that referred to in descriptions as the first dorsal segment. In

another, examined from below, this additional segment is as large as the others, with its middle part projecting between the posterior coxæ. In *E. monticola*, *E. cereus*, and *E. incomptus* the extra basal dorsal plate is uncovered by the elytra, and bears numerous, excessively minute, brassy scales. In a specimen of *E. tuberigerus* (see Part III., p. 760, ante) found recently near Howick, the additional basal segment is wholly exposed above, so that in it seems as if the fourth, and not the third, visible dorsal plate is protuberant at its middle portion. These facts appear to prove conclusively that the true first segment is retractile.

### Group—SCYDMÆNIDÆ.

#### Scydmaenus (p. 144).

1656. *S. princeps*, *n.s.* Convex, very elongate, medially narrowed, sparsely clothed with sub-erect yellow hairs; shining, piceo-rufous, legs and antennæ paler, tarsi and palpi fulvous.

*Head* smaller than thorax, oviform; eyes small, antero-lateral. *Antennæ* as long as head and thorax, pilose, their joints elongate; eighth smallest; ninth and tenth twice as large as eighth; eleventh rather larger than tenth. *Prothorax* longer than broad, widest before the middle, rounded in front, much narrowed posteriorly, with four basal punctures. *Elytra* elongate-oval, with two indistinct basal impressions, apices rounded. *Pygidium* sub-conical, marginated, pubescent. *Legs* long, femora clavate near the extremity, tibiæ nearly straight, basal joint of anterior tarsi very slightly thickened.

Corresponds with the description of *S. edwardsi*, but the pygidium is not nude, the base of the thorax bears four evident punctures, and an obsolete punctation may be noticed on the wing-cases.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$ .

Discovered by Mr. S. W. Fulton, at Taieri, Otago.

1657. *S. galerus*, *n.s.* Elongate, widest behind the middle femora, convex; shining, infuscate-red, tarsi and palpi fulvous, pubescent.

*Head* narrower than thorax, its front part nearly vertical, bearing sub-erect yellow hairs directed backwards; eyes small, not prominent. *Antennæ* inserted in a depression just before the eyes, as long as head and thorax; five basal articulations cylindrical, second rather longer than the exposed part of the first; joints 6-10 moniliform, gradually enlarged; eleventh larger than tenth. *Prothorax* sub-cordate, longer than broad, widest near the middle, much narrowed behind, posterior angles rectangular, with two basal punctiform impressions, and a large fovea at each side. *Elytra* far larger than thorax, considerably narrowed towards the shoulders, depressed at the base, sparingly clothed with pale-yellow hairs much finer than those on the head and thorax. *Pygidium* but little exposed. *Legs* elongate, femora inflated near the end, tibiæ straight, the inside of the two front pairs ciliated. *Palpi* with elongate second joint, third elongate and gradually dilated, fourth small but distinct.

Differs from *S. princeps* in size, form, and coloration; from

*S. lætans* in much broader, more convex, in the hind-body being widest after the middle and less attenuated apically, in the pygidium being much less exposed, and in the more robust antennæ, &c.

Length, quite 1 line; breadth, quite  $\frac{1}{4}$ .

I found this species near Helensville, Kaipara Harbour.

OBS. — The name *Adrastia* must be sunk as a synonym of *Scydmanus*, and No. 1158 must stand as *Scydmanus lætans*.

### Phaganophana.

1658. **P. oreas**, *n.s.* Convex, pubescent, shining, dark fuscous, piceous behind, tarsi and palpi fulvous.

*Head* nearly as broad as thorax, bearing scattered yellow hairs; eyes small, not prominent. *Antennæ* as long as head and thorax; the two basal joints cylindric, first much larger than second; the next four (barring the third) moniliform; joints 7-10 gradually dilated; eleventh largest. *Prothorax* not so broad as it is long, its greatest width near the middle, with two distinct basal punctiform impressions, and a large fovea near each posterior angle. *Elytra* large, oviform, the middle widest, with two evident basal depressions, humeral region longitudinally elevated, the dorsum with two oblique impressions extending from before the middle backwards, causing the posterior sutural space to appear raised. *Pygidium* covered. *Legs* moderately long, tibiæ more or less arched outwardly.

In no other described species are the shoulders so much elevated; the oblique elytral depressions and convex suture are noteworthy.

Length, nearly  $1\frac{1}{8}$  lines; breadth, nearly  $\frac{3}{8}$ .

Sent from the hilly country at Taieri by Mr. S. W. Fulton.

1659. **P. lanosa**, *n.s.* Shining, clothed with long yellow hairs; head and thorax rufo-piceous, elytra infuscate-red, legs and antennæ fulvo-rufous, tarsi and palpi yellow; convex.

*Head* smaller than thorax, but not narrow; eyes moderate. *Antennæ* as long as head and thorax, the exposed portion of the first not longer than the second; joints 2-4 longer than broad, equal, their angles rounded; the following three equal, shorter than the preceding, moniliform; 8-10 larger than seventh, transverse; eleventh longer than tenth. *Prothorax* slightly longer than broad, its greatest width before the middle, with two small basal foveæ and a large depression at each side. *Elytra* larger than thorax, rather short and broad, oviform; with two basal depressions and a large shallow one at the suture before the middle, and with the usual humeral plicæ. *Pygidium* uncovered. *Legs* long, intermediate tibiæ somewhat sinuate, the others nearly straight.

Of about the same size as *P. calva*, but with a shorter thorax, the hind-body much broader and more strongly rounded, the legs more slender (particularly the posterior), the structure of the antennæ different, and the palpi more slender.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{3}{8}$ .

Paparoa (near Howick).



1660. *P. angustata*, *n.s.* Elongate, slightly convex, densely covered with golden-yellow hairs; head and thorax pitchy-red, elytra rufo-castaneous, legs paler, antennæ red, tarsi yellow.

*Head* rather long and narrow, yet nearly as broad as thorax, almost plane above; eyes not prominent. *Antennæ* stout, nearly as long as head and thorax, second joint longer than the exposed portion of the first; 3-7 decrease in length, seventh smallest; 8-10 large, transverse; eleventh largest. *Prothorax* longer than broad, widest before the middle, but not much broader there than elsewhere; with four small basal foveæ, the one nearest each side placed just at the angle of the large, oblique, lateral depression. *Elytra* elongate-oval, their middle part widest, basal depressions small but deep, humeral plicæ distinct, each elytron with an impression along the suture, deepest in line with the middle legs. *Pygidium* slightly exposed. *Legs* long and stout, tibiæ arcuated externally.

When compared with *P. calva* it will be seen that the head and thorax are narrower and the hind-body broader, but less convex; the whole insect, in fact, is less convex. The hind-body is longer and narrower than that of *P. lanosa*. These are its nearest congeners.

Length,  $\frac{3}{4}$  line; breadth,  $\frac{1}{4}$ .

Also found by myself near Howick.

### Group—SYNCHITIDÆ.

#### *Ulonotus* (p. 183).

1661. *U. isostictus*, *n.s.* Elongate-oblong, moderately convex, infusate-red, each elytron with a large blackish space, not reaching the suture behind, rather densely clothed with short, yellowish setæ, tarsi and antennæ ferruginous.

*Head* piceous, rugose-granulate, vertex broadly impressed, antennal elevations distinct; eyes prominent, moderately faceted. *Antennæ* short, pubescent; ninth joint transverse, but little larger than eighth; tenth large, transverse; eleventh almost as broad as but longer than the preceding one, orbicular. *Prothorax* transverse, disc transversely convex, its sculpture nearly similar to that of the head, unevenly elevated, with a distinct, triangular, basal impression; its sides explanate, with a large frontal lobe extending to the middle, a much smaller one behind, and with a very deep notch between it and the hind angle, which does not extend so far out as the bottom of the middle indentation. *Elytra* oblong, not crenate; with two longitudinally-elevated basal spots, the humeral elevations not distinctly continued obliquely towards the suture in the form of nodules, three obvious nodules on each side of the posterior declivity having two rows of large punctures intervening, the rest of their surface more or less rugosely sculptured. *Legs* setigerous; tarsi pilose, claws thickened at base; terminal joint of maxillary palpi not securiform, but truncate at apex.

The thoracic lobes and coloration are distinctive.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$ .

Paparoa, near Howick.

**Coxelus** (p. 195).

1662. **C. grossanus**, *n.s.* Oblong, convex, fuscous, with reddish marks, the sides and apex of thorax rufescent, tarsi and antennæ red, sparsely clothed with short, yellowish hairs.

*Head* apparently covered with flattened tubercles; eyes small, not prominent. *Antennæ* short, pubescent. *Prothorax* transverse, deeply emarginated behind the eyes, sides a good deal dilated, well rounded, with a distinct sinuation behind, posterior angles slightly projecting, base bisinuate; disc depressed on the middle, the sides of the depression a little and unevenly elevated, its sculpture nearly similar to that of the head, without obvious punctures. *Elytra* oblong, convex, parallel, as broad as widest part of thorax; each with a short scutellar and two interrupted costæ, the inner more prominent behind, the rest of their surface occupied by small tubercular elevations almost arranged in rows. *Legs* stout; tibiae setose, intermediate arched externally.

The sides of thorax, especially near the front, are more strongly dilated or explanated, and more distinctly sinuously narrowed behind, than in any other species.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{2}$ .

Dunedin: Mr. T. Chalmer.

**Group—PYCNOMERIDÆ.****Pycnomerus** (p. 208).

1663. **P. arboreus**, *n.s.* Elongate, not parallel, slightly convex, nigro-piceous, scantily clothed with minute, greyish hairs, legs and antennæ dark-red.

*Head* coarsely punctate, deeply bi-foveate in front, the frontal and lateral margins raised and thickened, eyes prominent and coarsely faceted. *Antennæ* 11-articulate, the terminal joint distinct but narrower than tenth. *Prothorax* longer than broad, gradually narrowed posteriorly, coarsely punctured, without dorsal impressions. *Elytra* broader than thorax, their sides a little curved, base slightly arcuate; strongly punctate-striate, interstices narrow and convex, the fifth and seventh confluent behind the middle, sixth abbreviated, scarcely attaining the middle femora, the third somewhat elevated in front.

Allied to but differing from *P. ellipticus* in having curtailed sixth elytral interstices.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{8}$ .

Near Howick.

**Group—ELMIDÆ.****Hydora** (p. 672).

1664. **H. nitida**, *n.s.* Elongate, sub-depressed, shining, bronzed-black, covered with fine, ash-coloured hairs, the two basal joints of antennæ and the claws castaneous.

*Head* and thorax finely punctured. *Elytra* striate-punctate, interstices narrow.

Like *H. picea* (No. 1173); more glossy, the two fovea-like depressions on base of thorax less obvious, the elytra not depressed before the middle, more strongly punctured, and with narrower, slightly-raised intervals.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$ .

Taieri: Mr. S. W. Fulton. (Sent as No. 124.)

1665. *H. obsoleta*, *n.s.* Shining, black, claws castaneous; covered with very short, cinereous (sometimes greenish) hairs.

*Head* indistinctly bi-impressed, finely punctate. *Prothorax* finely and distantly punctated, with more minute punctures between the larger ones, slightly uneven, but with only two well-marked depressions, near the base. *Elytra* rather deeply impressed before the middle, with some rows of fine punctures on their anterior portion and but little more than mere indications of striæ behind.

Larger than the typical form (No. 1173), elytra more evidently depressed before the middle, but without any distinct punctation beyond that point.

Length, 2 lines; breadth,  $\frac{3}{4}$ .

Taieri: Mr. S. W. Fulton.

## Group—LUCANIDÆ.

### *Ceratognathus* (p. 252).

1666. *C. gibbosus*, *n.s.* Oblong, convex, black, densely clothed with white and pale greyish-brown, depressed, roundish scales; legs and antennæ pitchy-red.

*Head* elongate, much narrowed anteriorly, middle of vertex nearly smooth, most closely punctured at the sides; *mandibles* not broad, without distinct protuberances; *eyes* small, scarcely convex, distant from thorax, truncate behind. *Antennæ* elongate, basal articulation long and curved; second rather longer than broad; joints 3-5 elongate, about equal; sixth and seventh a little angulated: club moderate, the leaflets separate. *Prothorax* widest behind the middle, narrowed towards the front, base deeply sinuated, apex deeply emarginated, anterior angles prominent yet remote from the eyes; coarsely and closely punctured, the disc with two crests, the sides somewhat flattened. *Elytra* short, sub-parallel, sutural region much elevated, shoulders raised; their punctation coarse, concealed in some places by blackish scales. *Underside* with scales and greyish hairs. *Legs* squamose and hairy; *tibiæ* finely crenulated, the anterior with one median tooth.

The small, depressed, posteriorly-truncated eyes, narrow conical head, and gibbose elytral suture are characteristic.

♀. Length,  $4\frac{1}{4}$  lines; breadth,  $2\frac{1}{8}$ .

I am indebted to Mr. Crisp, of Parua, Whangarei Harbour, for this curious form.

OBS.—Lacordaire treats *Mitophyllus* as but another name for *Ceratognathus*: had it been otherwise I would have placed this species and *C. macrocerus* in that genus.



## Group—MELOLONTHIDÆ.

## Odontria (p. 265).

1667. *O. sandageri*, n.s. Ovate, convex; head shining, rufous, thorax rufo-castaneous, elytra obscure-testaceous; legs and antennæ yellowish; tarsi and trophi rufescent.

*Head* coarsely but not very closely punctured, bearing some elongate hairs on the vertex; clypeus sub-truncate in front, its margins elevated; eyes large and prominent. *Prothorax* very transverse, finely punctated, clothed with short, depressed, yellow hairs, the sides ciliated with erect, elongate ones. *Scutellum* coarsely punctate. *Elytra* (each) with nine rows of small punctures, interstices very finely and closely punctured; they are clothed with very short, pallid hairs, but bear many longer ones on the sides. *Underside* rufo-testaceous; sternum with long hairs, much more finely punctured than the abdomen.

♂. Antennæ, fourth joint angularly produced and spiniform near its base and nearly equalling the first in length; joints 5-8 finely pubescent, nearly equal. Anterior tibiæ tri-dentate.

♀. Antennæ, fourth joint slightly produced near the base, fifth one-third shorter than sixth. Size,  $7 \times 4$  lines.

The antennal structure, coloration, and clothing differentiate it from *C. cinnamomea*.

♂. Length,  $6\frac{1}{2}$  lines; breadth,  $3\frac{1}{2}$ .

Mokohinau Island. Discovered amongst fern-roots by Mr. P. Sandager, whose name it bears.

## Group—HELOPIDÆ.

## Adelium (p. 386).

1668. *A. hanseni*, n.s. Oblong-oval, convex, not much shining, black, two basal joints of antennæ rufo-piceous, next two blackish, these latter and the following obscure rufous joints pubescent, tarsi piceous.

*Head* with fine, distant, shallow punctures. *Prothorax* transverse, the middle widest, narrowed anteriorly, sinuated behind, lateral margins thickened posteriorly, apex deeply arcuate-emarginate, base widely but only slightly hollowed, posterior angles somewhat prominent, resting on the shoulders, the anterior rounded; a little uneven, with a feeble dorsal groove, its punctation shallow, appearing rugose. *Scutellum* short and broad, smooth. *Elytra* oblong-oval, broader than thorax, side rims distinct and deflexed; each elytron with nine striæ; interstices slightly convex, third, fifth, and seventh rather broader than the others, finely sculptured. *Tibiæ* nearly straight. *Underside* finely reticulate-punctate.

In form somewhat similar to *A. bullatum*, less glossy, hind-body not cordiform and with simple striæ.

♀. Length,  $7\frac{1}{2}$  lines; breadth,  $3\frac{1}{2}$ .

We are indebted to Mr. Hansen, of Preservation Inlet, for this species.

1669. **A. nigritulum**, *n.s.* Oblong, convex, piceo-niger, antennæ and tarsi piceous, claws rufous.

*Head* rugose-punctate. *Prothorax* transverse, its middle part widest, considerably narrowed anteriorly, sinuated behind, front angles obtusely rounded, posterior sub-acute; slightly projecting, apex deeply arcuate-emarginate, base slightly but widely incurved; median groove shallow, with two basal and two lateral impressions, reticulate-punctate. *Scutellum* broadly triangular. *Elytra* sub-oblong, broadest near the middle (in the female behind that part); their two sutural striæ nearly regular, the rest of their sculpture consists of striæ and punctures. *Abdomen* finely reticulate-punctate; prosternum with linear sculpture; epipleuræ punctate.

♂. Anterior *tibiæ* arcuate externally, incrassate near apex, the intermediate more strongly arched, posterior nearly straight, all more or less pubescent near the inner extremity.

♀. *Tibiæ* slightly arched, simple, pubescent. Form broader; sculpture finer. (7 lines  $\times$   $3\frac{1}{4}$ .)

Larger and broader than my specimen of *A. bullatum*, measuring  $6 \times 2\frac{1}{2}$ , more oblong, less uneven, structure of *tibiæ* dissimilar.

♂. Length,  $6\frac{1}{2}$  lines; breadth,  $2\frac{3}{4}$ .

Taken by Mr. S. W. Fulton on Mount Maungatua, Otago.

### Group—ANTHICIDÆ.

#### *Anthicus* (p. 411).

1670. **A. minor**, *n.s.* *Head* quadrate, convex, hind angles rounded, nearly impunctate, with some fine, pale hairs; eyes small, distinctly faceted. *Antennæ* rufo-fuscous, but with the three basal joints paler. *Prothorax* cordiform, very much contracted behind, sides foveate, its punctation fine and distant; rufo-castaneous. *Elytra* sub-oblong, apices individually rounded, finely punctate; not so dark as the head, but castaneous at the shoulders. *Underside* sparsely pubescent; sternum castaneous. *Abdomen* blackish.

Resembles the European *A. floralis* in form, smaller, differently sculptured, and with more slender legs.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$ .

Habitat near Howick, Auckland.

### Group—OTIORHYNCHIDÆ.

#### *Trachyphloeus* (p. 430).

1671. **T. rugosus**, *n.s.* Convex, sub-ovate, thickly covered with fuscous scale-like matter intermingled with pale setiform scales, those on the thorax placed transversely, but on the elytra in rows on the interstices; scape rufo-fuscous, setose; funiculus and club shining brick-red; legs infusate-red.

*Prothorax* sub-transverse, narrowed anteriorly, sides obtusely rounded; coarsely wrinkled transversely. *Elytra* almost cordiform, base bisinuate; with rows of coarse punctures, interstices not distinctly raised. Legs bearing coarse, grey setæ.

Like *T. irritus*, but larger, the thorax not obviously angulated

before the middle, and its sculpture consists entirely of coarse, transversal rugosities.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$ .

Mokohinau Island: Mr. P. Sandager.

### Group—BRACHYDERIDÆ.

#### *Geochus* (p. 445).

1672. *G. rugulosus*, *n.s.* Sub-opaque, fuscous, sometimes rufescent, tarsi ferruginous, antennæ rufo-testaceous, club piceous, bearing yellowish, depressed and erect, scale-like setæ.

*Rostrum* contracted behind, dilated in front, opaque, pitchy, rough, setigerous; eyes depressed, coarsely faceted. *Prothorax* coarsely punctate. *Elytra* almost striate-punctate, the intervals between the punctures transversely elevated. *Underside* piceous.

Similar to *G. politus* in form, but with a blackish club, rugose elytra, and the abdomen scarcely punctate.

Length (rost. incl.),  $\frac{7}{8}$  line; breadth,  $\frac{1}{2}$ .

Mokohinau Island: Mr. Sandager.

#### *Nicæana* (p. 427).

1673. *N. cinerea*, *n.s.* Piceous, densely covered with small, depressed, greyish and brassy scales and erect hairs; punctation of beak and thorax concealed by the squamosity.

*Antennæ* infusate-red. *Elytra* almost striate-punctate, the suture raised posteriorly. *Underside* punctate, clothed with grey hairs.

Differs from *N. modesta* in coloration, but like it in form and structure.

Length (rost. incl.), 2 lines; breadth,  $\frac{3}{4}$ .

Mount Maungatua, Otago: Mr. S. W. Fulton.

### Group—RHYPAROSOMIDÆ.

#### *Erymneus* (p. 435).

1674. *E. longulus*, *n.s.* Elongate; anterior tarsi obscure pitchy-red; body piceous, clothed with small, reddish-brown, depressed scales, and coarse, mostly testaceous, setiform scales on the elevated portions.

*Rostrum* as long as thorax, arcuate, widest in front, tricarinate before, bicarinate behind, the middle, with four median and one ocular crests; *mandibles* prominent, bifid at apex; vertex convex. *Antennæ* inserted just before the middle, hispid; two basal joints of funiculus equal, the following three small and equal; sixth larger than fifth, seventh still larger; club short, sub-orbicular. *Prothorax* rather longer than broad, with coarse distant punctures and three longitudinal elevations, sides uneven, middle of base depressed. *Elytra* sub-oviform, scutellar region depressed, base arcuate, almost striate-punctate, studded with some minute black tubercles, with three more or less obvious humeral elevations on each elytron, and



other squamose, sub-tubercular elevations, these latter most conspicuous behind. *Legs* squamose, and with curved setæ.

Larger and less uneven than *E. scabiosus* and *E. castaneus*; the punctation on the hind part of the elytra small, the dorsal punctures not very distinct.

Length (rost. excl.),  $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$ .

Detected near Howick, under logs.

1675. **E. cœnosus**, *n.s.* Elongate; covered with griseous sappy matter, piceous, bearing small reddish-brown scales, the legs with curved setæ, front tarsi obscure pitchy-red.

*Rostrum* stout, arched, longer than thorax, punctate but not distinctly carinate in front, with two abbreviated carinæ on the middle. *Antennæ* implanted just before the middle; second joint of the funiculus rather longer but more slender than first; seventh obconical, larger than sixth; club short, ovate. *Prothorax* oblong, widest before the middle, rugose, with three longitudinal elevations. *Elytra* oblong-oval, scutellar region concave, coarsely striate-punctate, the summit of the posterior declivity dilated laterally; they are tuberculate, and bear several squamose elevations. *Tibiæ* flexuose, rather strongly produced at the extremity.

The sculpture of the rostrum, and the rather strongly mucronated tibiæ, are distinctive features.

Length (rost. excl.),  $2\frac{1}{4}$  lines; breadth, 1.

Found by Mr. P. Sandager on the Raukau Range, Wellington.

## Group—CYLINDRORHINIDÆ.

### *Inophlœus* (p. 439).

1676. **I. costifer**, *n.s.* Piceous, covered with small, flat, grey and pitchy scales, and greyish-yellow setæ; scape setigerous, opaque, fuscous; tarsi and funiculus ferruginous, hispid.

*Rostrum* with a distinct median carina. *Antennæ* elongate, two basal joints of funiculus elongate, equal, 3-7 decrease in length, club elongate. *Prothorax* broadest before the middle, broadly impressed near each side, its punctation sometimes slightly rugose. *Scutellum* minute. *Elytra* rather plane above, abruptly deflexed and narrowed behind, shoulders oblique; each with two more or less evident costæ on the dorsum terminating in protuberances behind, the posterior portion of suture elevated, apices slightly produced; they bear rows of punctures. *Legs* elongate, clothed with scales and setæ. *Underside* squamose and setose, blackish.

Very much smaller and broader than the typical species.

Length (rost. incl.),  $2\frac{1}{2}$  lines, breadth,  $1\frac{1}{8}$ .

Woodhill, Kaipara Railway.

### *Empæotes* (p. 441).

1677. **E. æquus**, *n.s.* Piceo-fuscous, covered with small brownish-grey scales and erect slender setæ, with a broad greyish fascia on the top of the posterior declivity, antennæ and tarsi ferruginous.

*Rostrum* short, uni-carinate. *Prothorax* hardly longer than broad, a little constricted and depressed in front, so that the margins appear slightly elevated; its sculpture rugose, not very uneven. *Elytra* sub-cordate, striate-punctate.

Differs from *E. crispatus* in having a much shorter rostrum, with broader scrobes having a very small squamose space near the eyes, the elytra are less uneven, and the third and fifth interstices are destitute of posterior protuberances.

Length (rost. incl.),  $2\frac{3}{4}$ – $3\frac{1}{2}$  lines; breadth,  $1$ – $1\frac{3}{8}$ .

Waitakerei Range.

## Group—HYLOBIIDÆ.

### Dryopais.

*Nov. gen.*

*Rostrum* longer than thorax, arcuate, moderately stout, gradually dilated apically; *scrobes* beginning near apex, profound there, shallower near the lower part of the eye. *Scape* clavate at apex, just touching the eye; *funiculus* 7-articulate, two basal joints almost equally elongate, 3–7 gradually dilated; *club* well marked off, elongate-ovate. *Eyes* transversely ovate, free, not convex. *Pro-notum* sub-quadrate, narrowed in front, very slightly incurved behind the eyes, base feebly bisinuate. *Scutellum* small. *Elytra* sub-oblong, base bisinuate and broader than thorax, narrowed posteriorly. *Femora* clavate; *tibiæ* flexuose, their apical spurs small, posterior corbels moderately open; *tarsi* pilose, third joint deeply bi-lobed, terminal elongate, claws free. *Prosternum* arcuate-emarginate; *metasternum* moderate; basal segment of *abdomen* largest, third and fourth short, with deep sutures.

Differs from *Hylobius* (*H. abietus* for example) in the eyes not being truncate in front, in possessing smaller tibial spurs, unarmed femora; small third and fourth, but deeply divided, abdominal segments; the soles of the *tarsi* not densely brush-like, &c.

1678. **D. variabilis**, *n.s.* Elongate, sub-ovate, convex; clothed with depressed, elongate scales, sometimes yellowish or greyish, in one example greenish; colour variable, fuscous, apex of thorax and a broad space at the side of each elytron rufescent, antennæ reddish, club piceous, legs rufous or testaceous.

*Rostrum* indistinctly tricarinate or bisulcate, punctate, scales disposed transversely. *Antennæ* pilose; *scape* flexuous; second joint of *funiculus* more slender than first, seventh distinctly larger than sixth, club opaque and densely pubescent. *Prothorax* about as long as broad, often slightly dilated before the middle, more or less evidently sulcate on the dorsum, closely punctate. *Elytra* striate-punctate, interstices more or less elevated. *Underside* piceous, the punctures of the pro- and meso-sterna with round scales; *abdomen* hairy, its basal segment broadly impressed.

Length (rost. excl.),  $1\frac{5}{8}$  lines; breadth,  $\frac{3}{4}$ .

Widely distributed, but not common, in the Middle Island.

Otago: Mr. S. W. Fulton. Tekapo, Canterbury: Messrs. Cheeseman and Urquhart.

### **Eiratus** (p. 447).

1679. **E. suavis**, *n.s.* Sub-oblong, sub-depressed, infuscated-red, opaque, sparsely clothed with yellow hairs, those on the elytra short and confined to the interstices, tarsi and antennæ red, club blackish.

*Rostrum* as long as thorax, sub-parallel. *Antennæ* pilose; scape short, gradually thickened; basal joint of funiculus large, second slender, longer than broad, 3-5 decrease in length, sixth and seventh transverse, seventh nearly twice the size of the sixth; club large, ovate, about as large as joints 3-7 conjointly. *Prothorax* longer than broad, constricted in front, its punctation close and coarse but not deep. *Scutellum* small. *Elytra* oblong, broader than thorax, striate-punctate, third, fifth, and seventh interstices more elevated than the others, the sutural only attain the apices.

Narrower than *E. parvulus*, its nearest ally, the thorax especially narrower, and with differently-sculptured elytra. The ground colour seems to be variable: I have a specimen of an obscure-pitchy hue.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ .

Waitakerei Range.

### **Group—ERIRHINIDÆ.**

#### **Aneuma** (p. 455).

1680. **A. compta**, *n.s.* Ovate, convex, fuscous, mostly covered with pale-yellow hair-like scales, but with a broad blackish fascia behind the posterior femora, legs and antennæ and all but the apex of the beak testaceous-yellow.

*Rostrum* longer than thorax, sub-parallel, feebly bicarinate. *Antennæ* inserted between the middle and apex; basal joint of funiculus much stouter but not longer than second, club oblong-oval. *Prothorax* rather broader than long, contracted in front, moderately punctate, its clothing quite yellow. *Elytra* obovate, with six slight basal elevations, apparently closely striate-punctate. Anterior femora minutely dentate, the others deeply notched near the extremity and dentate below, tibiæ a little bent. *Underside* smoky, covered with straw-coloured, hair-like scales.

Seems to resemble *A. fulvipes*, but the elytral interstices are not convex.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ .

Waitakerei Range, near Auckland.

### **Group—CRYPTORHYNCHIDÆ.**

#### **Acalles** (p. 488).

1681. **A. terricola**, *n.s.* Ovoid, broad, convex, densely covered with greyish and obscure-testaceous depressed, and longer erect, scales, the latter on the elevated parts and sides; antennæ ferruginous, beak rufo-piceous, tarsi rufous.



*Rostrum* as long as thorax, broad, slightly narrowed behind. *Antennæ* moderately short; second joint of funiculus rather longer but more slender than first; club oblong-oval. *Prothorax* contracted in front, coarsely punctured. *Scutellum* invisible. *Elytra* cordate, as wide as thorax at base, broadest in line with the middle thighs, abruptly deflexed posteriorly; with rows of coarse, distant punctures; the sutural region appears depressed, and each side of the depression is a little elevated and ends in elongate crests; there are also some smaller tufts near the sides. *Legs* stout and squamose. *Pectoral canal* limited by the raised border of the mesosternum. *Meta-sternum* very short. Basal segment of *abdomen* very large, third and fourth very short. *Femora* grooved below.

Much shorter and broader than *A. triangulatus*, which, however, makes the nearest approach to it.

Length (rost. excl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{4}$ .

Taken from amongst decaying vegetable matter on the ground, near Howick.

### **Tychanus** (p. 498).

1682. **T. ventralis**, *n.s.* Convex, narrowed anteriorly, densely clothed with greyish-brown scales and coarse, erect setæ; fuscous, tarsi and antennæ ferruginous.

*Rostrum* as long as thorax, excepting its apex, densely squamose, punctate. *Antennæ* implanted before the middle, the two basal articulations of funiculus equal, the following gradually thickened to the width of the base of the club, which is ovate. *Prothorax* suddenly narrowed anteriorly; its punctation concealed by its covering. *Scutellum* distinct, often quite grey. *Elytra* broader than thorax at base, a little dilated behind the posterior femora, then abruptly bent down and narrowed, apices not distinctly callose, convex; striate-punctate, and bearing many irregular elevations. *Legs* scaly, thighs deeply grooved and moderately dentate below. *Underside* piceous; basal segment of abdomen large, its suture strongly bisinuated; second very transversal, suddenly bent down to the same plane as the apical one, the latter depressed.

Its nearest ally in point of form is *T. ferrugatus*, but the narrower part of the thorax is as long as its basal portion; the elytral asperities assume the form of irregular elevations rather than distinct tubercles; the tarsi are short and thick, so that the penultimate joint, though bi-lobed, is scarcely twice the breadth of the second; the depressed rounded scales on the hind-body are occasionally rufescent.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth, 1.

Mokohinau Island: Mr. P. Sandager.

### **Sympedius** (p. 499).

1683. **S. lepidus**, *n.s.* Compact, convex; piceous, densely covered with depressed and semi-erect, grey and greyish-yellow scales, the latter colour predominating on the throat; antennæ and tarsi obscure-ferruginous.

*Rostrum* as long as thorax, more or less punctate in front,

squamose behind. *Antennæ* inserted before the middle, short and stout, pilose; the two basal joints of funiculus about equal, neither elongate, club ovate. *Prothorax* abruptly contracted and depressed in front, coarsely punctate. *Scutellum* distinct. *Elytra* slightly broader than thorax, narrowed and declivous behind; each with three interrupted costæ, interstices apparently striate-punctate. *Legs* squamose.

In form like *S. testudo*, but smaller.

Length (rost. excl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{4}$ .

Waitakerei Range, near Auckland.

## Group—CNEMACANTHIDÆ.

### Oöpterus (p. 54).

1684. *O. fulvipes*, *n.s.* Subovate, not broad, moderately convex; shining, pitchy-black; elytral margins and suture rufescent; legs fulvous, sometimes testaceous, palpi fulvous, antennæ rufous.

*Head* rather narrow, frontal furrows elongate. *Antennæ* stout, the two basal joints nude. *Thorax* as long as broad, marginated, widest just before the middle, rounded laterally towards the front, somewhat sinuously narrowed behind; posterior angles rectangular, scarcely prominent; discoidal groove shallow; basal fossæ large, and, when viewed sideways, apparently divided, they are indistinctly punctate, the intervening space bears some distinct punctures, and there is a carina outside each fovea. *Scutellum* triangular. *Elytra* quite oval, much larger than thorax, slightly sinuated posteriorly, side rims broad but much reduced apically; feebly striate, the striæ quite obsoletely punctated, sutural groove well marked and recurved at apex, where it is bordered by a fine carina, third interstices slightly tri-punctate.

♂. Two basal articulations of anterior *tarsi* a little produced at inner apex, first largest; armed with elongate spiniform hairs.

♀. *Tarsi* stout, basal joint of front pair elongate-oblong, clothed like those of the other sex.

In form resembles the figure given by Lacordaire of *O. clivoides*, but with the anterior angles of the thorax more rounded and the sides less sinuously narrowed behind.

Length,  $2\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

Midhurst, base of Mount Elmont. One pair.

1685. *O. sobrinus*, *n.s.* Shining, pitchy-black, lateral margins and suture of the elytra reddish, femora testaceous, tibiæ, tarsi, palpi, and antennæ rufescent; body oblong-oval, moderately convex.

*Head* moderate, the ocular furrows sharply defined, the inner broad and shallow; middle of forehead foveate. *Prothorax* rather longer than broad, widest at the middle, rather slightly and gradually rounded laterally and but little narrowed behind, posterior angles rectangular and not at all projecting nor acute; mesial sulcus fine; basal foveæ large, obsoletely divided, the carina beyond each not well marked, the base a little depressed and impunctate, but there are two punctiform impressions near the middle of the disc.

*Scutellum* transversely triangular. *Elytra* about double the breadth of the thorax, oblong-oval, moderately finely sulcate, the striæ not very perceptibly (if at all) punctured; third interstices bi-punctate, no visible median punctures.

Allied to the preceding species, but rather larger and more oblong, the sides of the thorax and wing-cases less curved, elytral striæ more obvious, thorax differently sculptured. The female of No. 1145 (*O. patulus*) makes a near approach to this species in form and size, but the thorax, as regards shape, most nearly resembles that of No. 1339.

♀. Length,  $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$ .

Taranaki, near Mount Egmont.

## Group—ANCHOMENIDÆ.

### *Anchomenus* (p. 20).

1686. *A. adamsi*, *n.s.* Body rather elongate, somewhat convex, not very glossy, pitchy-black, legs fusco-rufous; tarsi, palpi, and antennæ ferruginous.

*Head* oviform. *Prothorax* moderately small, apex widely emarginate, base almost truncate, a good deal rounded laterally, almost angulated just before the middle, considerably sinuously narrowed behind, posterior angles rectangular, the sides just before the angles nearly or quite straight; disc convex, bearing feebly-impressed undulating striæ, dorsal groove well marked, basal depressions prolonged forwards, lateral margins explanate and reflexed. *Elytra* oviform, strongly obliquely sinuated apically; deeply sulcate, impunctate, interstices broad. *Tarsi* grooved above, those of the male not much dilated.

Very much like *A. parabilis*, but the base of the thorax is not obliquely truncated towards the angles, and the elytral striæ are simple.

Length, 6 lines; breadth,  $2\frac{1}{8}$ .

Taranaki, base of Mount Egmont, elevation under 1,000ft. Named after Mr. I. Adams, B.A., who first found it. I found another on the Waitakerei Range, Auckland, at about the same elevation.

OBS.—No. 42 is congeneric.

## Group—FERONIIDÆ.

### *Trichosternus* (p. 31).

1687. *T. virens*, *n.s.* Oblong, moderately convex, shining green, legs and antennæ rufo-piceous, tips of palpi paler.

*Prothorax* transversely quadrate, apex widely, base medially incurved; sides well rounded, moderately narrowed behind, posterior angles rectangular, not projecting. *Elytra* distinctly striate, the punctuation of the striæ small but distinct; interstices a little convex, the third with three, the seventh with five or six punctures.

When compared with *T. fultoni* it will be seen that, although the form and sculpture are nearly similar, it is rather more convex and of a more uniform green colour above, and that the legs are less



robust, whilst the wing-cases have smaller interstitial punctures and the interstices are less uneven. In the female the elytra are shorter and broader, with deeper striæ and more elevated intervals.

♂. Length, 9 lines; breadth,  $3\frac{1}{4}$ .

Oamaru, Otago. Collected by Mr. T. Chalmer.

### Holcaspis (p. 37).

1688. **H. mordax**, *n.s.* Black, shining, legs and antennæ rufopiceous, tips of palpi paler.

*Head* constricted behind, causing a distinct post-ocular linear impression, frontal foveæ well marked, labrum truncate. *Prothorax* moderately rounded laterally, gradually and moderately contracted posteriorly, hind angles rectangular; dorsal groove broad and deep, and expanded near the extremities, basal fossæ elongate and narrow, and sub-punctate; apex incurved, base medially emarginate. *Elytra* oblong, very slightly rounded, distinctly punctate-striate, interstices slightly raised, third with one sub-apical puncture. *Flanks* of prosternum, episterna, and sides of abdomen more or less rugose-punctate, middle of mesosternum punctured. *Legs* stout, posterior femora not toothed.

Like No. 1149, especially as regards the contour and sculpture of the thorax, but with deeper and more strongly punctated elytral striæ and narrower interstices, less distinctly dentiform humeral angles, and with the labrum simple, instead of being emarginated as in that species.

Length,  $5\frac{1}{4}$  lines; breadth,  $1\frac{3}{4}$ .

Base of Mount Egmont.

## Group—DYTISCIDÆ.

### Exocelina.

#### *Nov. gen.*

*Prosternum* gradually raised from the sides towards the middle, which is obtusely prominent in front, its process projecting, nearly plane, and fitting into the triangular excavation just before the middle coxæ. *Epipleuræ* broad at the base, but becoming linear in line with posterior coxæ. *Metasternum* as in *Rhantus*. *Femora* like those of *Hydroporus*; *tibiæ* gradually expanded apically, the front obliquely rounded at the extremity, and there furnished with several short spines; *tarsi* distinctly 5-articulate, the three basal much expanded and strongly transverse, fourth not so broad as third and contracted at its base, fifth elongate; *claws* equal, moderate; those of the middle pair nearly similar to the front ones in structure, but not so broad; swimming legs slender, their *tibiæ* armed inwardly at the apex with two spines, their *tarsi* compressed, without outstanding ciliæ. Terminal joint of maxillary *palpi* fusiform. *Antennæ* 11-jointed, setaceous, their joints simple and sub-equal.

The *body* is, superficially, like *Celina*, being oblong and mucronate at the extremity, the apices of the elytra are acute, but not prolonged. The anterior tarsi of the male, above, resemble those of the *Dytiscidæ*, but the swimming legs have not the usual conspicuous ciliæ.

1689. *E. advena*, *n.s.* Oblong, nearly parallel, slightly convex, nude, but little shining; the head, most of the sides of the thorax, and the scutellum reddish, elytra smoky-brown, legs, palpi, and antennæ fulvescent; densely and minutely sculptured, and with many short, irregular, linear impressions; underside rufo-castaneous.

*Head* short and broad, with two shallow inter-ocular impressions. *Thorax* very transverse, its sides finely margined, very slightly curved, and narrowed anteriorly, the base a little sinuous, its middle portion very slightly prominent, so that the large scutellum is wholly exposed; the sculpture of the front part more punctiform than on the disc. *Scutellum* broadly triangular. *Elytra* with acute apices; each wing-case with a median row of very small punctures, and some others beyond.

♂. Three basal joints of front *tarsi* strongly expanded, quite transverse, third not distinctly emarginate at apex, fourth narrowed at the base.

Length,  $2\frac{1}{2}$ – $2\frac{3}{4}$  lines; breadth,  $1$ – $1\frac{1}{2}$ .

Found in brackish water on Mokohinau Island by Mr. P. Stewart-Sandager.

## Group—HYDROPHILIDÆ.

### Adolopus.

1690. *A. vicinus*, *n.s.* Shining, black, margins and legs rufescent, *tarsi*, antennæ, and palpi fulvous.

*Head* finely punctured. *Thorax* transverse, its sculpture like that of the head. *Elytra* striate-punctate, the series of punctures obsolete on the dorsum, but rather coarse near the sides and apices, the sutural striæ deep behind, but disappearing near the middle. *Under-side* opaque, blackish, all but the shining middle part of the metasternum finely sculptured and pubescent.

Resembles *A. altulus* (No. 158); differs in outline, being narrower and, therefore, more oblong; the thorax not so much curvedly narrowed towards the front; the elytral margins not explanate behind.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ .

Discovered at the Thames by Mr. I. Adams, B.A.

1691. *A. rugipennis*, *n.s.* Shining, nude, pale-castaneous, legs, antennæ, and palpi yellowish, club infusate.

*Head* finely punctured, interstices minutely sculptured. *Thorax* very transverse, finely margined laterally, strongly and rather curvedly narrowed towards the front; very finely and rather distantly punctated. *Scutellum* triangular, minutely punctured. *Elytra* short, lateral margins distinct except near the apices; striate-punctate, the sculpture of the discoidal portion, however, much less developed, and consisting almost entirely of fine punctures and wrinkles, the space on each side of the scutellum obliquely depressed. *Tibiæ* smooth, spinose externally.

More rotundate than *A. altulus*; may be at once identified by the finely rugose elytra.

Length,  $1\frac{1}{8}$  lines; breadth, nearly  $\frac{7}{8}$ .

Howick. Found on the ground.

OBS.—The characters of *Adolopus* (Sharp: Trans. Ent. Soc., 1884, Part iv., p. 478) are as follow: Corpus parvum, rotundato-ovale, superne convexum. Antennæ 9-articulatæ, clava elongata, laxè articulata; palpi maxillares breves, articulis tribus ultimis longitudine subæqualibus, articulo pseudo-basali crassiore, mentum transversim quadratum, anterius late depressum. Prosternum in medio longitudinaliter carinatum. Coxæ intermediæ distantes, metasterno inter eas longius productum, cum processu triangulari mesosterni sutura recta conjunctum, processu hoc ad latera marginato. Femora posteriora subtus glabra; abdomen densissime subtilissime punctato-pubescent, segmento basali in medio carinato. Tarsi posteriores parum elongati et parum crassi, articulo basali brevi, secundo parum elongato sed quam præcedente evidenter longiore.

No. 150 should become *Saphydrus oblongus*. The genus was published at p. 467 of the Trans. Ent. Soc. 1884, Part iv.

### **Exydrus.**

*Nov. gen.*

Agrees in most respects with Dr. Sharp's genus *Hydrostygnus* (Trans. Ent. Soc., Part iv., p. 475), but differentiated by the following characters: *Labrum* small, obliquely excised on the left side of the apex. *Epistome* truncate in front. *Eyes* more prominent and distinctly faceted. Middle of *metasternum* not prominent and not more coarsely sculptured than elsewhere. Posterior *femora* finely punctate and covered with obvious yellow hairs.

The genus is instituted for Nos. 153 and 154, which become *Exydrus flavicornis* and *E. gibbosus*.

### **Cercyodes.**

*Nov. gen.*

*Antennæ* elongate, 9-jointed; basal joint long, cylindric; second nearly as stout as first, about half its length; third as long as second but much more slender; joints 4-6 decrease in length; club compact, very large, tri-articulate. Maxillary *palpi* not elongate, basal joint small, second moderately stout, the terminal longer than third, narrowed towards and truncate at the extremity. *Legs* short and stout, posterior femora nude; anterior tibiæ rounded and fringed with short spines at the apex and there furnished with short straight spurs, their lower and inner face excavated for the tarsi; *tarsi* short, posterior somewhat compressed, very sparsely pilose, basal joint very short, 2-4 equal, fifth longest.

Allied to *Cercyon*, anterior *coxæ* less prominent; *prosternum* without a distinct process, merely gradually raised to the level of the carinate middle portion; *epipleuræ* narrow, and on the same plane as the breast; middle of *metasternum* a little elevated, nearly



impunctate, shining, not much contracted behind, not limited by any linear impression, but by the closely sculptured and minutely pubescent lateral portions; basal segment of *abdomen* carinate.

1692. *C. lævigatus*, *n.s.* Sub-ovate, only moderately convex, nude above, minutely and densely sculptured, with a few scattered, inconspicuous punctures; slightly glossy, piceous, elytra often reddish, legs dark-rufous, tarsi, palpi, and antennæ testaceous, club darker.

*Head* broader than long, nearly plane; epistome truncate in front; eyes not prominent. *Thorax* transverse, base and apex somewhat bisinuate, sides nearly straight and finely margined, narrowed towards the front. *Scutellum* small, triangular. *Elytra* slightly broader than thorax at the base, moderately narrowed posteriorly, side rims fine, still finer near the apices, without striæ or distinct punctures. *Tibiæ* stout, densely and finely sculptured, and bearing short, distant spines. *Underside* pitchy, its depressed parts finely and densely sculptured; thighs shining; hind coxæ covered with minute brassy setæ.

Length, 1 line; breadth, quite  $\frac{1}{2}$ .

Found amongst sea-weeds on Mokohinau Island, by Mr. P. Stewart-Sandager.

### Group—ALEOCHARIDÆ.

#### *Calodera* (p. 93).

1693. *C. algophila*, *n.s.* Narrow and elongate, densely clothed with long, slender, yellow hairs; head and thorax usually opaque, the former pitchy-brown, the latter paler; elytra infuscated; abdomen variegated-castaneous, fifth segment darkest; legs and antennæ fulvous; palpi infuscate.

*Head* elongate, oviform, its punctation rather coarse and close but not deep; forehead rufescent and nearly smooth; eyes moderate; maxillary palpi pilose, penultimate joint rather thick, the last minute. *Antennæ* elongate, the two basal joints equally elongate; third longer than the following ones, obconical; 8–10 transverse. *Thorax* scarcely larger than head, sub-oblong, slightly narrowed behind; its punctation close but fine. *Elytra* less than twice the width of thorax, not much longer than broad, apices obliquely truncate, their sculpture rather close and shallow. *Hind-body* long, gradually dilated posteriorly, the apex of each (except the last) with numerous broad short grooves separated by carinate intervals. *Legs* slender; *tibiæ* linear, bearing conspicuous yellow hairs; hind claws elongate. *Underside* moderately glossy, castaneous, sternum pitchy, finely sculptured and densely pubescent.

Nos. 171, 172, 173, 174, and 175 belong to this genus, of which the name *Dasynotus* proves to be a synonym. This is the only species without thoracic depressions.

Length,  $1\frac{1}{2}$ – $1\frac{3}{4}$  lines; breadth,  $\frac{3}{8}$ .

I am indebted to Mr. P. Stewart-Sandager for this species. It lives amongst sea-weeds on Mokohinau Island,

## Group—XANTHOLINIDÆ.

*Cafius* (p. 101).

1694. *C. caviceps*, *n.s.* Black, bearing some long, erect, fuscous hairs; elytra sub-opaque, and, like the hind-body, densely clothed with depressed ash-coloured hairs.

*Head* large, quadrate, front of forehead obliquely emarginated; broadly concave from the front to the middle, this cavity bifoveolate; vertex very densely and minutely granulated, its sides and hind angles, and to a less extent the back part also, with many round depressions having in each a puncture with raised margins; mandibles robust, not much arched, pitchy-red. Terminal joint of maxillary palpi usually red. *Antennæ* (except the three shining, rufo-piceous, basal joints) opaque and densely pubescent. *Thorax* rather longer than broad, rounded and broadest near the front, widely sinuously narrowed backwards; with a row of moderately large punctures not reaching base nor apex down each side of the middle, a smaller series on each side, and another short row near the front angle. *Scutellum* and *elytra* densely sculptured, the apices of these latter obliquely rounded towards the suture; they are longer than broad. *Hind-body* narrower than the elytra, finely and densely sculptured. *Legs* moderate, tibiæ setose externally, the four basal joints of the front tarsi dilated and pilose. *Underside* blackish, densely covered with small cinereous hairs; fourth, fifth, and sixth abdominal segments bipunctate.

♂. Length,  $6\frac{1}{2}$  lines; breadth,  $1\frac{1}{8}$ .

♀. Head much smaller, quadrate, nearly plane, with two inter-ocular foveæ, its punctation similar to that of the male. ( $5\frac{1}{2}$  lines  $\times$  1.)

Found by Mr. P. Stewart-Sandager amongst algæ on Mokohinau Island.

OBS.—Lacordaire considers *Cafius* to be the same as *Othius*. Nos. 201 and 202 belong to this genus.

## Group—HOMALIDÆ.

*Homalium* (p. 115).

1695. *H. litoreum*, *n.s.* Fuscous; palpi and legs, the last and the greater portion of the penultimate dorsal segments, a large basal space on each elytron, and the first two joints of the antennæ fulvous or chestnut-red; the other antennal joints black; clothed with short, semi-erect, yellowish hairs; two round spots on the second dorsal segment formed of minute brassy setæ, and the first similarly ciliated; moderately glossy.

*Head* feebly, longitudinally, bi-impressed in front, its middle part nearly smooth, the sides finely and closely sculptured, but with only a few fine punctures; the ocelli simple, yellow; eyes large and prominent. *Antennæ* elongate, basal joint as long as third, stout; second quite half as long as first; third elongate, slender at base; fourth and fifth equal; joints 4–10 pubescent, decreasing in length but becoming broader, the point of articulation of each slender;

eleventh sub-ovate. *Prothorax* transverse, finely marginated, sides rounded in front but nearly straight behind, base a little sinuous, hind angles obtusely rectangular; disc convex, with a few fine punctures, which become more numerous near the sides; its whole surface, like the scutellum, more or less closely and finely sculptured. *Elytra* rather longer than broad, wider than thorax, obtusely rounded behind, with fine sutural striæ, their punctation fine but not close. *Hind-body* finely sculptured, impunctate. *Tibiæ* linear, with fine yellow bristles; claws thickened at base. *Underside* (barring the two reddish ventral segments) dark-brown, densely and finely sculptured; metasternum sparingly punctured; clothed with short yellow hairs; basal segment carinate on the middle, last segment deeply and broadly grooved, the edges of the groove carinate.

♂. Length,  $1\frac{3}{4}$  lines; breadth, quite  $\frac{1}{2}$ .

Habitat, Mokohinau, amongst sea-weeds. Mr. Sandager.

Obs.—Nos. 219, 220, and 221 belong to *Ischnoderus*.

### Group—PSELAPHIDÆ.

#### *Pselaphus* (p. 122).

1696. *P. cæcus*, *n.s.* Slender, much narrowed anteriorly, a little convex; shining, red, legs and antennæ rufo-fulvous, tarsi and palpi yellow; clothed with very fine brassy hairs.

*Head* very elongate, scarcely rounded laterally, comparatively coarsely punctured, nearly plane in front, the occiput convex, with a shallow, smooth impression proceeding from between the tubercles to the vertex. *Eyes* exceedingly minute, hardly distinguishable. *Palpi* very slender, second joint long, a little thickened at base, more so at the extremity; third small; fourth thickened at the base, but becoming very slender, its club stout. *Antennæ* shorter than the palpi, moderately stout, basal articulation cylindric; second almost as stout, but one-third shorter; joints 3–7 nearly equal; eighth and ninth sub-oblong; tenth somewhat transverse; eleventh large. *Thorax* elongate-oval, obsoletely punctate. *Elytra* not greatly exceeding the thorax in length, very much narrowed towards the shoulders, impunctate, sutural striæ distinct and very much expanded and deepened at the base, apices widely incurved, with a small but deep sutural notch. *Hind-body* not punctured. *Legs* elongate, tibiæ a little expanded and curved towards the extremity. *Metasternum* deeply concave, its apex ciliated; basal segment broadly impressed.

The abortive eyes and peculiarly elongate, coarsely-punctured head are quite distinctive.

Length,  $\frac{5}{8}$  line; breadth, nearly  $\frac{1}{4}$ .

Found amongst vegetable matter on the ground, near Howick.

1697. *P. delicatus*, *n.s.* Sanguineous, tarsi and palpi yellow, antennæ red, but becoming paler towards the extremity; shining, clothed with longish, slender, yellow hairs.

*Head* elongate, oviform, punctate, the inter-antennal channel continuous, with two inter-ocular foveæ; eyes small but prominent, composed apparently of three large facets. *Palpi* long and slender,



their fourth joint considerably curved, the club distinctly cleft at apex. *Antennæ* moderate, joints 3-7 longer than broad, nearly equal; eighth slightly shorter than seventh; ninth larger than eighth, longer than broad; tenth as broad as it is long; eleventh elongate, oval. *Prothorax* rather longer than broad, dilated medially, not obviously punctated, its base finely marginated, the spaces outside the scutellum densely and finely strigose. *Elytra* much contracted towards the front, bifoveate at base, sutural striæ well marked, without discoidal grooves, but with lines of long depressed hairs; apices slightly sinuate. *Hind-body* large, smooth. *Legs* long, tibiæ a little dilated apically, rather densely pubescent, the posterior arcuated, and, on the inner face, conspicuously hairy.

More robust than *P. cæcus*, its head shorter, yet decidedly more elongate than in any other New Zealand species; the eyes, also, are not of the orthodox form.

Length,  $\frac{3}{4}$  line; breadth, quite  $\frac{1}{4}$ .

Near Howick.

1698. *P. fuscopilus*, *n.s.* Fulvous; elytra, antennæ, and tarsi yellow; clothed with fine yellow hairs, the posterior portion of the elytra, however, bearing numerous coarser, fuscous hairs.

In form and sculpture very similar to *P. pilistriatus*, the single discoidal stria of each elytron fine and curved; *legs* moderately short, tibiæ nearly straight; *metasternum* convex, slightly impressed behind, its apex pubescent.

Length, 1 line; breadth,  $\frac{3}{8}$ .

Taken near Howick.

### Bryaxis (p. 124).

1699. *B. fraudulenta*, *n.s.* Rufous; elytra, legs, and antennæ paler, tarsi and palpi yellow; sparsely clothed with very fine, short, pallid hairs; convex, shining, impunctate.

*Head* with a broad, shallow, frontal impression, but no foveæ apparently on the vertex. *Antennæ* elongate, basal joint cylindric, not so long as the next two taken together; third as long as second, narrowed basally; fourth as long as broad, bead-like; fifth slightly shorter than second, and nearly as stout; joints 6-8 sub-transverse; ninth largest, almost obconical, a little cut away on one side, the apex of that side obtusely prominent; tenth conical, smaller than the preceding one. *Legs* long, posterior tibiæ abruptly bent inwards at the extremity. Front *coxæ* finely spinose; *metasternum* linearly impressed on the middle; basal segment of *abdomen* large, the second with two small tubercles, the following three very short.

Resembles *B. dispar* to deception; the structure of the antennæ is, however, really different, the ninth articulation being very much shorter and broader, the terminal is smaller, and neither of these is concave underneath. There are no long hairs on the body, such as may be seen in that species; there are no evident foveæ on the vertex, and the hind tibiæ are different.

♂. Length,  $\frac{3}{4}$  line; breadth, nearly  $\frac{3}{8}$ .

Found near Howick. ♀ incog.

**Euplectus** (p. 139).

1700. **E. eminens**, *n.s.* Convex, slightly shining, densely clothed with unequal, yellow hairs; red; head, thorax, and hind-body dark, elytra and legs paler, tarsi yellow.

*Head* more or less punctured, with a broad inter-antennal impression nearly extending as far back as the eyes; these latter prominent and coarsely faceted. *Antennæ* short, joints 3-10 strongly transverse; the sixth distinctly shorter than the contiguous ones; ninth larger than tenth, these two a good deal larger than the preceding; eleventh largest, acuminate. *Prothorax* about as long as broad, oviform, narrower in front than behind, punctate, impressed along the base; with an abbreviated, narrow, sharply-impressed dorsal groove having very fine, raised edges; before the base there is a depression which is almost divided into two and indistinctly prolonged forwards, this depressed part nearly smooth; there is also a fovea at each side. *Elytra* a little longer than broad, not very evidently punctated; sutural striæ very broad near the base, with a slight elevation between them and the intra-humeral impressions; they are a good deal broader than the thorax, and longer than the hind-body. *Hind-body* impunctate, the four dorsal basal segments about equal, marginated, the fourth deflexed and densely ciliated; the first exposed segment bifoveate, but appearing like one basal depression. *Legs* stout, the two front pairs remarkably so; anterior tibiæ expanded near the middle but attenuated apically, the intermediate rather short, twice the breadth of the posterior, the middle of the apex deeply notched.

The legs are even more robust than those of *E. crassipes*; the peculiar conformation of the middle tibiæ is enough to distinguish this from any other species.

♂. Length,  $\frac{7}{8}$  line; breadth, nearly  $\frac{3}{4}$ .  
Captured near Howick.

1701. **E. auripilus**, *n.s.* Sub-opaque, dark-red, legs and antennæ fulvous, tarsi yellow; moderately convex, densely clothed with yellow hairs.

*Head* broadest behind, coarsely and closely punctured, slightly but broadly impressed between the antennæ. *Eyes* small, convex. *Antennæ* of moderate length, second joint about half the length of the first and nearly as stout; joints 3-8 moniliform, sub-equal; ninth and tenth transverse, each nearly twice the bulk of the preceding ones; eleventh large, sub-conical, pointed. *Thorax* broader than the head, its length and breadth about the same, rounded laterally, its punctation like that of the head; with a dorsal depression and a fovea near each side, all rather broad and shallow. *Elytra* larger than thorax, somewhat narrowed towards the base; each with three broad discoidal grooves, the external scarcely reaching the base; interstices minutely punctured. *Hind-body* as wide as but rather longer than the elytra; its four dorsal segments equal, marginated, fourth deflexed, the apical somewhat pointed. *Legs* moderately slender, tibiæ arcuated outwardly.

Numerous minor disparities of structure and sculpture differentiate this little species from those which have strongly-punctured head and thorax.

Length,  $\frac{3}{8}$  line; breadth,  $\frac{1}{4}$ .

Found near Howick.

### Group—SILPHIDÆ.

#### *Choleva* (p. 151).

1702. *C. fulvitaris*, *n.s.* Oviparous, attenuated posteriorly, convex, nearly opaque, not perceptibly punctate, elytra finely and densely lineated, clothed with fine ash-coloured pubescence; smoky-brown, the tarsi, palpi, and the two basal and eleventh joints of the antennæ fulvous, third joint of these last fuscous, the others blackish.

*Antennæ* short yet longer than the head and thorax, considerably thickened apically, the first three joints nearly equally elongate and almost cylindrical, seventh about half the length of the contiguous ones, ninth rather larger than tenth, tenth quadrate. *Thorax* curvedly narrowed towards the front, base slightly sinuated, posterior angles not projecting much backwards. *Elytra* with distinct sutural striæ, but becoming obsolete towards the base. *Legs* stout, middle tibiæ much arcuated, spurs of the posterior elongate; three basal joints of anterior tarsi dilated, the first two most strongly.

Smaller than *C. lugubris* and *C. graniceps*, but undoubtedly allied thereto.

OBS.—Nos. 276, 277, and 278 belong to *Choleva*.

♂. Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$ .

Found on the ground, amongst decaying leaves, near Howick.

#### *Mesocolon* (p. 153).

1703. *M. varius*, *n.s.* Variegated, thorax and most part of the middle of elytra fuscous, the rest of the body, including the lower surface, rufo-castaneous, legs and three basal joints of the antennæ fulvous, the others more or less fuscous; body oval, convex, a little glossy.

*Head* with rather coarse, shallow, distant punctures. *Antennæ* very elongate and slender, joints 1–7 of nearly the same length, seventh thicker than the others, eighth longer than broad but one-third shorter than its predecessor. *Thorax* short, much rounded towards the front, its base sub-truncate, angles not prominent; its sculpture concealed by decumbent, branching, fuscous hairs. *Scutellum* triangular, smooth. *Elytra* gradually narrowed from base to apex; with well-marked sutural striæ; their sculpture consists of transverse strigosities, the intervals between which are still more finely and densely sculptured; a considerable portion of their clothing is composed of bright-yellow hairs. *Legs* hispid, two hind pairs of tibiæ a little curved, the apical spurs distinct but not very long; three basal joints of anterior tarsi dilated. *Underside* finely and sparsely pubescent, finely reticulately sculptured, and with some shallow punctures near the sides. *Mesosternum* carinate in front,



the middle of the carina more elevated; with a very narrow, sharply-defined carina between the middle coxæ; *metasternum* transversely convex.

The perfectly oval form and long slender antennæ are quite in accord with Nos. 279, 280, 281, and 282.

♂. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$ .

Found near Howick, amongst dead leaves, &c.

## Group—COLYDIIDÆ.

### Notoulus (p. 183).

1704. **N. sparsus**, *n.s.* Oblong, moderately convex, clothed with greyish and yellow setæ; variegate infuscate-red, with a large blackish space on each elytron, tarsi and antennæ red.

*Head* granulated. *Prothorax* transverse, its side explanate; frontal lobe large, with a median sinuation, the next small, the basal forming the angle; the disc a little uneven, granulate. *Elytra* punctate, each with three dorsal rows of fine setæ, and, on the intervals between these, three or four greyish nodules, besides the usual elongate basal elevations and smaller tubercles dispersed over the surface, but most apparent on the sides; they bear also many erect fuscous setæ. *Legs* with slender brassy setæ.

This species may be confounded with No. 326 (*N. ornatus*); it is, however, larger and more oblong, less convex, and the nodules on the wing-cases, particularly those near the apical declivity, are much less prominent; the elytral punctures, moreover, are not easily detected sometimes.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{8}$ .

Stratford, base of Mount Egmont.

1705. **N. libentus**, *n.s.* Ferruginous, the head and a large angular spot on each elytron blackish, tarsi and antennæ red; clothed with fine, short, fulvous setæ.

Related to *N. sparsus*, but differentiated therefrom by being wholly clothed with bright yellowish setæ, by the absence of lines of setæ on the elytra, by the less evident nodules, and by the lateral margins being more distinctly crenulated, &c.

A variety exists which is more obscurely coloured, but is otherwise almost similar.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{8}$  (nearly).

Waitakerei Range, near Auckland.

### Ulonotus (p. 186).

1706. **U. carus**, *n.s.* Oblong, variegate, dark reddish-brown, the depressed parts of hind-body blackish, clothed with fulvous setiform scales, tarsi and antennæ rufous, the basal joint of the latter piceous, tibiæ with fuscous marks.

*Head* not distinctly granulated, antennal orbits prominent. *Antennæ* moderate, exposed portion of basal joints as long as second, the latter sub-quadrate; third elongate; joints 4–8 decrease in length; club large. *Prothorax* transversely convex, unlevel, more

or less granulate, with four dorsal, two lateral, and a triangular basal elevations; sides explanate, trilobed, anterior lobe large, the basal small and forming the posterior angle. *Elytra* oblong, the sides not crenate; each with three elongate basal and eight or ten rounded elevations, besides some smaller ones on the sides; there is a row of punctures along the suture, and numerous small blackish tubercles are dispersed over the surface.

About as large as *U. antarcticus*, but abundantly distinct.

Obs.—The elevations on the thorax and the arrangement of the elytral nodules are pretty much alike in all the described species: the *U. viridipictus* of Wollaston may serve as the type.

Length,  $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$ .

I am indebted to Mr. T. Chalmer, of Dunedin, for a specimen of this fine insect. He found it at Purakanui, some fifteen miles north of his residence.

1707. *U. fuscatus*, *n.s.* Oblong, pitchy-brown, clothed with greyish and pale-brown hairs and setiform scales, tarsi and antennæ red.

*Head* apparently granulate. *Prothorax* uneven, sides explanate, frontal lobe large, median small, the hind angles formed by the third. *Elytra* oblong, with the common superficial inequalities of surface.

The form and sculpture resemble those of the preceding species, but the antennal club is more elongate and the thorax less uneven.

Length,  $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{8}$  (nearly).

Mount Egmont.

1708. *U. rufescens*, *n.s.* Piceous, the raised parts obscure-rufous, antennæ and legs red, sparsely covered with pallid scale-like setæ; claws blackish.

*Head* distinctly granulate. *Thorax* transversely convex, disc rather narrow, uneven, granulated; sides explanate, frontal lobe large, post-median small, basal forming the angle. *Elytra* oblong, sutural region plane; the sculpture indefinite, so that it may appear either punctate or tuberculate; beyond that space there are irregular rows of rounded elevations, none, however, very prominent.

Like *U. viridipictus*, but with less definite sculpture, with a deep indentation between the first and second thoracic lobes.

Length, 2 lines; breadth,  $\frac{7}{8}$ .

Purakanui, Otago: Mr. T. Chalmer.

1709. *U. cinereus*, *n.s.* Oblong, obscure-piceous; legs and antennæ reddish, club blackish; clothed with rather slender pale setæ, causing the insect to have an ashy-coloured appearance.

*Head* somewhat prolonged anteriorly; second joint of antennæ abruptly truncate at apex. *Prothorax* unlevel, without conspicuous tubercles, more or less granulated; anterior lobe large and prominent, separated from the next one by a wide and deep indentation; hind angles rectangular. *Elytra* with two elongate basal and about

eight rounded elevations on each, in addition to smaller inequalities of surface; the depressed parts seem quite smooth, no distinct punctures nor granules can be easily detected.

Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$ .

Mount Egmont.

1710. **U. integratus**, *n.s.* Oblong, rufo-fuscous, with ill-defined darker spots, tarsi and antennæ red, club pitchy but red at apex; clothed with yellowish scales and fine setæ.

*Head* rough, granulate. *Thorax* transverse, convex, uneven, granulate; sides explanate, well rounded; with a wide but only very slight median sinuation; beyond that there is an oblique and also slight incurvature towards the posterior angle. *Elytra* a little unlevel, the usual nodules perceptible but not prominent, forming an indistinct, interrupted, longitudinal elevation on each side of the suture; they bear rows of punctures.

In common with *U. discedens*, *U. aberrans*, and *U. lawsoni*, the explanate sides of the thorax, not being deeply notched, exhibit no true lobes, but from all these this species differs in sculpture and clothing.

A small example ( $1\frac{7}{8} \times \frac{3}{4}$ ) I have been unable to separate specifically.

Length,  $2\frac{1}{8}$  lines; breadth, 1 (nearly).

Purakanui, Otago. Another of Mr. Chalmer's captures.

### Coxelus (p. 195).

1711. **C. chalmeri**, *n.s.* Variegate, fusco-piceous; sides of thorax, legs, and antennæ obscure-red, club darker; clothed with moderately-fine yellow setæ, those on the eyes and legs finer than the others, quite hair-like.

*Head* neither closely nor coarsely granulated. *Antennæ* hairy, basal articulation but little exposed; second largest, thickened apically; third not so stout as second, but much longer than the following ones. *Thorax* transverse, its sides curved in front, nearly straight, and gradually narrowed posteriorly; with two median dorsal depressions (longitudinal), the basal the smaller, and two before the base; the whole surface more or less perceptibly granulated. *Elytra* without distinct depressions, bearing rows of short elevations so as to appear rugose, the suture raised, the base with a longitudinal elevation on either side of the scutellum indistinctly prolonged backwards till it reaches a setigerous nodule in line with the hind thigh; there are three other nodules near the side, two of which are in line with a small basal fold or elevation.

*C. helmsi*, I imagine, is very much like this species, but it is, like all the others, clothed with coarse scale-like setæ; from *C. similis* this species differs in elytral sculpture.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$ .

Purakanui, on the coast north of Dunedin.

Dedicated to its discoverer, Mr. T. Chalmer.



**Epistranus** (p. 202).

1712. **E. parvus**, *n.s.* Convex, sub-oblong, broad, medially contracted, rufo-piceous; legs and antennæ red; tarsi fulvous, bearing short, erect, pallid hairs.

*Head* granulated; eyes minute. *Antennæ* normal. *Prothorax* nearly as long as broad, considerably narrowed behind, tuberculate. *Elytra* not twice the length of thorax, humeral angles rounded, bearing regular rows of tubercles, those nearest the middle having, seemingly, a puncture at the base of each. *Tibiæ* arcuated externally, and finely ciliated.

Smaller than *E. humeralis* and *E. valens*; most nearly resembling the latter in sculpture.

OBS.—All the members of this genus are very rare; they exist amongst decaying vegetable matter, and, when found, their true sculpture is concealed by a thick coating of greyish sappy matter.

Length,  $\frac{3}{4}$  line; breadth, nearly  $\frac{1}{2}$ .

Taken near Howick.

**Lithostygnus.**

*Nov. gen.*

*Body* elongate, transversely convex. *Head* porrected, oblong, its sides deeply excavated for the reception of the antennæ; eyes small but distinct; labrum prominent; mentum truncate. *Antennæ* inserted near the front angles of the epistome; short, 11-jointed, the two basal joints stout, 3-9 sub-equal, club bi-articulate. *Thorax* cordate. *Coxæ* moderately prominent and distant. *Meso-* and *meta-**sterna* nearly equal, not abbreviated, impressed. *Abdomen* with five sub-equal segments, their suture deep and broad. *Epipleuræ* broad, horizontal, narrowed apically. *Legs* moderate, *tibiæ* grooved near the extremity; tarsi 3-jointed, pubescent below, their two basal joints equal, and, conjointly, shorter than the third; claws small.

An interesting little creature forms the type. It is undoubtedly allied to the European *Langelandia*, but differs from it in having distinct eyes; *Chorasus*, a New Zealand genus, has 4-jointed tarsi.

1713. **L. costalus**, *n.s.* Elongate, somewhat convex, covered with a scale-like, sappy deposit; fuscous, tarsi and antennæ fulvous.

*Head* half the width of thorax, bearing two carinæ, which proceed from the eyes and nearly converge in front. *Antennæ* rather short, basal joint largest, about as long as broad, reddish; second of similar form, but at least one-third smaller; third rather shorter than fourth, slender; fourth and fifth nearly equal, longer than the contiguous ones; sixth and seventh equal, slightly shorter and broader than the preceding two; eighth and ninth a little broader than seventh, narrowed basally; tenth somewhat cup-shaped, thrice the bulk of the ninth; eleventh as broad as but one-half longer than tenth, apparently obtusely notched at the extremity. *Prothorax* transversal, rounded laterally towards the front and much narrowed behind, posterior angles rectangular, the anterior distant from the eyes, base medially incurved, middle of apex truncate,

sides explanate; disc convex, uneven, with two abbreviated frontal costæ (oblique). *Scutellum* invisible. *Elytra* connate, scarcely wider than thorax, slightly curved laterally, deflexed behind; each has two sinuous costæ, the outer hardly reaching the base and forming the external border of the dorsum, the sides, however, are expanded beyond; the intervals are impressed with rows of coarse, shallow impressions. *Tibiæ* finely ciliated, the posterior slender at base, expanded beyond, and again contracted apically; tarsi elongate.

Length,  $\frac{3}{4}$  line; breadth, nearly  $\frac{3}{8}$ .

I found three specimens near Howick, on the ground, amongst decaying vegetable matter; and I have another which was found by Mr. P. Stewart-Sandager on Mokohinau Island.

### Group—PYCNOMERIDÆ.

#### *Pycnomerus* (p. 208).

1714. *P. cognatus*, n.s. Elongate, not parallel, nude, shining, rufo-piceous, legs and antennæ red.

*Head* moderately elongate, punctate, the frontal impressions and lateral plicæ extending to the occiput. *Antennæ* 11-articulate, joints 4-9 transversal, tenth large; eleventh small, appearing like a pubescent appendage. *Eyes* not distinguishable. *Thorax* oblong, truncate in front, anterior angles sub-depressed and not prominent; sides margined, a little narrowed posteriorly, with a short, oblique space in front; base rounded and finely pubescent; disc moderately bi-impressed longitudinally, lateral channels narrow but distinct and prolonged inwardly along the base, with rather large distant punctures, less numerous on the middle than elsewhere, and with a row of smaller punctures on the hind margin. *Scutellum* invisible, or nearly so. *Elytra* broader than thorax, their sides a little rounded, a good deal narrowed near the apices, humeral angles acute and projecting, base incurved; deeply striate, the punctures in the striæ distant and shallow, and therefore not easily detected, interstices convex, finely punctated, the third bent inwards at the base to unite with the suture; second, fourth, and sixth not reaching the base. *Legs* moderate, the tibiæ hardly perceptibly produced at the outer extremity, and with minute apical spurs. *Underside* opaque, coarsely punctate; metasternum broadly impressed; coxæ rather distant.

*P. cæcus* is its nearest congener, but in it the thorax is less unlevel and more finely punctured, the humeral angles are less prominent, and the punctures in the elytral striæ, though rather distant, are quite easily seen.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$ .

Found amongst vegetable matter on the ground near Howick.

#### *Pycnomerodes*.

##### *Nov. gen.*

Allied to *Pycnomerus*, but differing by the following characters:—

*Head* rounded, its thick lateral margins prolonged backwards so

as to divide the eyes into two portions. *Coxæ* more approximated. *Metasternum* triangular in front. *Epipleuræ* unusually broad.

1715. *P. peregrinus*, *n.s.* Convex, elongate-oblong, parallel, clothed with longish upright, yellow hairs; sub-opaque, fusco-piceous, legs and antennæ dark-red.

*Head* short, truncate in front, widened backwards, with two moderate frontal depressions, antennal orbits a little elevated; its front part punctate, the occiput granulated. *Antennæ* stout, pilose, 11-articulate, the club distinctly two-jointed; their basal joint barely visible from above, second longer than third; joints 4-9 transverse, tenth joint shorter than, but nearly twice the breadth of, the eleventh. *Prothorax* oblong, sides a little curved, sub-crenate, thickly marginated; apex truncate, but with prominent anterior angles; base bisinuate, posterior angles rectangular; its surface closely granulated in front and near the sides, somewhat rugose and longitudinally impressed on the middle; each side with a deep channel, expanded near the hind angle, and from thence abruptly bent and extending inwards along the base as a deep narrow groove; just at the centre of the basal margin there is a fovea; when viewed sideways the basal margin will be seen to be on a lower plane than the part just before it. *Scutellum* small. *Elytra* with sub-crenate margins, striate-punctate, the punctures square, the interstices punctate, and, when looked at from behind, appearing quite rugose; shoulders rectangular, base much incurved at the middle. *Legs* stout, the external apex of the tibiæ angularly produced, bi-spinose at inner apex; tarsi with three equal basal joints, which, taken together, are as long as the terminal; claws distinct. *Underside* closely and rugosely punctured, bearing short golden hairs.

This highly-interesting insect presents an appearance quite foreign to the more orthodox *Pycnomeridæ*.

Length,  $1\frac{7}{8}$  lines; breadth,  $\frac{5}{8}$ .

Cut out of a log near Howick.

## Group—LATHRIDIDÆ.

### *Corticaria* (p. 234).

1716. *C. semirufa*, *n.s.* Sub-ovate, convex, shining, sparingly covered with fine greyish hairs; head, thorax, and basal half of elytra red, the last palest, posterior half of these last blackish; legs and antennæ pale-fuscous, the two basal joints of the latter and the tarsi testaceous.

*Head* with a few rather large punctures; eyes large and prominent. *Antennæ* pubescent, their two basal articulations stout, 3-8 slender; the eighth much shorter than seventh, oviform; the three terminal nearly equal, large, oval. *Prothorax* with moderately coarse, distant punctures, transversely depressed behind the middle in front of the base with two fine carinæ, and behind these very finely strigose; its length and breadth about the same. *Scutellum* curvilinearly triangular, bipunctate. *Elytra* much larger than thorax, marginated, widest at the middle, shoulders somewhat



elevated, each with an obsolete costa, their whole surface punctate. *Tibiæ* straight, claws appendiculate at base. *Underside* rufo-fuscous, sparsely pubescent, punctate, the metasternum most obviously.

The peculiar coloration renders its identification quite easy.

Length,  $\frac{5}{8}$  line; breadth, nearly  $\frac{1}{4}$ .

Found near Howick, amongst decaying leaves, &c.

1717. **C. gilvipes**, *n.s.* Shining, blackish, head reddish-brown, legs and antennæ yellow, club fuscous; clothed with fine greyish hairs.

*Head* distinctly but not closely punctated, the interstices finely sculptured; eyes large and convex. *Antennæ* of moderate length, the first two joints stout; 3-8 slender and differing but little from one another; tenth round, rather shorter than ninth; eleventh largest. *Thorax* about as long as broad, a little depressed before the base, the base marginated, its sculpture similar to that of the head. *Elytra* broader than thorax, much longer than broad, marginated, shoulders slightly raised; their punctation almost arranged in rows, with smooth intervals.

Similar to *C. erythrocephala*, but in that species the spaces between the punctures on the head and thorax are perfectly smooth, the elytra are more convex, with long upstanding hairs, and the antennæ are more elongate, and the joints, therefore, differ in shape.

Length,  $\frac{5}{8}$  line; breadth,  $\frac{1}{4}$ .

Habitat, near Howick.

## Group—DERMESTIDÆ.

### Trogoderma (p. 240).

1718. **T. punctata**, *n.s.* Convex, oblong-oval, sub-opaque, black, clothed with fine ash-coloured hairs, legs and antennæ piceo-fuscous, but with joints 2-5 of these latter, and the tarsi, fusco-testaceous.

*Head* rather coarsely and closely punctured; antennæ short, bearing black pubescence; joints 6-10 transverse, each articulated at the middle; eleventh oblong, its extremity rounded. *Prothorax* much narrowed anteriorly, its sides almost straight, the lateral margins distinct and sub-crenulate, basal lobe prominent; its sculpture similar to that of the head. *Scutellum* triangular, finely strigose. *Elytra* clothed with black and cinereous hairs, the basal punctation like that of the head but becoming finer and more distant behind. *Under-surface* black, sculptured like the upper, clothed with pale yellowish hairs. *Tarsi* and *tibiæ* moderately slender, claws yellow.

♀. *Tarsi* testaceous, joints 7-10 of the antennæ transverse, eleventh rounded.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$ .

Taken off *Leptospermum* near Howick.

1719. **T. suffusa**, *n.s.* Sub-opaque, blackish, most of the elytra castaneous, legs and joints 2-5 of the antennæ testaceous, the

basal and four terminal joints, and maxillary palpi, pitchy-brown; clothed with yellowish and greyish hairs, the former conspicuous, the elytra with some black hairs.

*Head* densely and coarsely punctated. *Antennæ* with black hairs, joints 8-10 transversal, eleventh rounded, the seventh, however, not very much smaller than the eighth, but differently formed. *Thorax* considerably contracted towards the front, sides not distinctly marginated and a little rounded, the base moderately prolonged over the scutellum; its punctation moderately close and coarse, but much finer and more remote before the basal lobe. *Elytra* sculptured like the thorax, the punctures finer and more distant behind.

Like *T. mæsta* (No. 428), the punctation finer, and the coloration and pubescence dissimilar.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$ .

Habitat, near Howick.

### Group—COPRIDÆ.

#### Saphobius (p. 255).

1720. *S. squamulosus*, *n.s.* Sub-quadrate, clothed with elongate, hair-like, fulvous scales; sub-opaque, piceous, legs and tarsi dark-red, antennæ and palpi fulvescent.

*Head* with the frontal protuberances rather small; eyes small. *Thorax* strongly transverse, its sides but little curved and not perceptibly angulated near the front. *Elytra* feebly striate. *Pygidium* somewhat inflexed. *Underside* black.

The squamosity is easily rubbed off, and is ordinarily mingled with sappy matter; these quite conceal the sculpture of the head and thorax, which consists of oviform linear impressions with a small puncture in the centre of each.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{7}{8}$ .

Taken amongst decaying leaves on the ground near Howick.

### Group—APHODIIDÆ.

#### Aphodius (p. 257).

1721. *A. fortipes*, *n.s.* Parallel, narrow, moderately convex, shining, pitchy-black, margins of head and thorax and the legs red; tarsi, antennæ, and palpi fulvous.

*Head* minutely and distantly punctured. *Thorax* transversely quadrate, sculptured like the head, and having, in addition, a few large, scattered punctures between the middle and the base. *Scutellum* elongate. *Elytra* strongly punctate-striate, interstices broad and very finely punctured, humeral angles dentiform. *Legs* stout, tibiæ expanded apically, the three external teeth of the anterior acute and curved, the inner spur of the other two pairs as long as the two basal joints of the tarsi. *Underside* finely and remotely punctured, the apical ventral segment more closely, the base of all the segments with a row of coarse, shallow punctures.

Differs from *A. communis* in having the head much more finely

punctated; the coarser punctures on the thorax less numerous and confined to a broad space behind the middle; the punctures in the elytral striæ are smaller, so that the striæ are not crenate-punctate, as in that species.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$ .

Taranaki, near Mount Egmont.

## Group—MELOLONTHIDÆ.

### Scythrodes.

*Nov. gen.*

*Body* broadly oviform, moderately convex, nude. *Head* short, the forehead limited by a rather deep but fine, slightly sinuous line, its front edge truncate and a little carinated; eyes not convex; labrum deeply emarginate. *Palpi* short. *Antennæ* short, 8-jointed; basal articulation largest, one-half of it visible above, cylindric; second shorter than the next two, not so stout as the first; third and fourth obconical and about equal in length; fourth broader than third; fifth strongly transverse; club tri-articulate, its leaflets rather short, the terminal joint broadly concave on its outer face. *Metasternum* short. *Parapleuræ* horizontal, broad, narrowed posteriorly yet not linear at the apices. *Abdomen* with five distinctly separated segments of equal length. *Legs* as in *Odontria*.

In facies the type very much resembles some of the Oriental and African Tenebrionidæ, a broad *Pimelia* for example, but with the base of the thorax equalling the elytra in width. The characters ally it to *Odontria*, though it has a totally different aspect.

1722. *S. squalidus*, n.s. Black, but little shining, bald, broadly oval, moderately convex.

*Head* with a few coarse punctures, the frontal portion slightly roughened with fine, ill-defined, rugose sculpture. *Prothorax* transverse, apex widely emarginated, front angles prominent, attaining the front of the eyes; sides finely margined, slightly curved, narrowed towards the front; base a little sinuated, posterior angles obtusely rectangular; its punctation like that of the head, its middle and a space near each side with fewer punctures; there is an impressed line in front. *Scutellum* triangular, depressed. *Elytra* with rather thick reflexed rims; each with nine broad striæ, interstices somewhat convex, punctate, their whole surface appearing slightly rugose; suture elevated. *Underside* black, slightly glossy; the sternum, femora, labrum, and abdominal segments bear a few straight fuscous bristles. *Legs* stout, anterior tibiæ obtusely tridentate. Middle of *mesosternum* densely sculptured.

Male incog.

♀. Length,  $8\frac{1}{2}$  lines; breadth,  $5\frac{1}{4}$ .

I am indebted to Mr. G. M. Thomson, of Dunedin, for my specimen, which he found on Mount Tyndall, at an elevation of 6,000ft.



**Xylostygnus.**

Nov. gen.

*Body* sub-ovate, convex, bearing excessively minute setæ. *Head* short, the forehead marked off by a medially-angulated linear impression; clypeus sub-truncate in front, with slightly raised edges; labrum somewhat deflexed, semicircularly excised; eyes not prominent. *Palpi* short. *Antennæ* hispid, short, 9-jointed; club tri-articulate. *Thorax* transverse, its sides finely margined, base widely sinuated towards the sides, apex broadly emarginated, anterior angles acutely projecting. *Metasternum* short. *Epipleuræ* moderate. *Abdomen* with six segments, the four basal equal, fifth very short, the apical exposed behind. *Legs* stout; anterior tibiæ expanded, not very evidently tri-dentate, the others with a spinose median elevation; tarsi rather short, their claws simple.

The 9-jointed antennæ, nearly bald surface, differently-formed tibiæ, much shorter palpi, and more distinctly separated front coxæ distinguish this genus from *Odontria*.

1723. **X. piceus**, *n.s.* Black, sub-opaque, sides of body sparsely ciliated with brownish hairs, the surface with minute greyish setæ; legs pitchy-red, tarsi and antennæ infusate-red, the club paler.

*Head* nude, moderately closely and coarsely punctured. *Antennæ* short, basal joint longest; second as long as broad, thicker than the following ones; third and fourth nearly equal, obconical, longer than broad; fifth and sixth short; 7-9 forming the club, not much produced. *Thorax* broader than long, a little rounded laterally, its sculpture similar to that of the head. *Scutellum* pubescent and rugose-punctate at base, but smooth behind. *Elytra* indistinctly margined, very obtusely rounded behind; not obviously striate, but with a sutural groove on each deepest behind, but becoming nearly obsolete at the base, the punctures not so close as those of the thorax, and not disposed in regular rows. *Pygidium* a little exposed, shining, with a few large punctures. *Underside* shining, pitchy-black, sparsely clothed with pale, reddish-brown, hair-like bristles. *Sternum* coarsely and rugosely punctate; middle of *metasternum* smooth, but impressed on the middle. *Femora* with rows of punctures, tibiæ with spiniform bristles and hairs.

Length,  $4\frac{1}{4}$ - $4\frac{3}{4}$  lines; breadth,  $2\frac{1}{8}$ - $2\frac{5}{8}$ .

First found in fragments on a small sandstone island in Whangarei Harbour, and afterwards on Tiritiri by Mr. Sandager.

**Group—ELATERID .**

Protelater (p. 304).

1724. **P. vitticollis**, *n.s.* Elongate, narrow, clothed with pale hairs, sub-opaque; testaceous; the thorax with two dorsal vittæ, the elytra with two basal streaks, and two round spots behind posterior femora, pitchy-brown; tarsi infusate, the anterior darkest; two basal joints of antennæ testaceous, the remainder blackish; body coarsely and closely punctate.

*Antennæ* elongate, a little serrate, second and third joints, together, slightly shorter than fourth; third smaller than second; fourth cylindric, being but little thickened apically, elongate. *Thorax* sub-cylindrical, elongate, posterior angles long and divergent. *Elytra* elongate, attenuated posteriorly, apices acutely rounded and spini-form; punctate-striate, interstices convex and punctulated distinctly near the base only, the alternate ones broader and more elevated than the others. ♀.

♂. Variety: Hind-body darker, with broader basal vittæ and the sides and a large part of the dorsum pitchy-brown; antennæ more robust.

Most nearly allied to *P. elongatus*, the punctuation coarser, elytral striæ more evident, with more elevated intervals, apices more spini-form, and with longer antennæ, &c. The underside is testaceous, with the middle of the sternum blackish.

Length,  $3\frac{1}{4}$ – $3\frac{3}{4}$  lines; breadth,  $\frac{7}{8}$ .

Mount Egmont, Taranaki.

1725. *P. atriceps*, *n.s.* Opaque, pitchy-black, antennæ (save the fuscous basal joint) blackish, legs fuscous, knees and tarsi obscure-testaceous; front angles of thorax, two oblique median, and a sub-apical, spots on each elytron testaceous, and a spot near the side of the scutellum castaneous; clothed with fine pale hairs.

At first sight this might seem to be a variety of No. 547 (*P. guttatus*); the head, however, is quite black, not at all shining, is more closely, deeply, and rugosely punctured, and the edges of the forehead are rather more elevated; the thorax is less coarsely but more densely punctured; the interstices between the deep, punctate striæ of the elytra are decidedly more costiform and rougher, even to the apices; the sculpture is more like that seen in *P. opacus*, but the head and thorax are still more closely and deeply punctated than in that species, and the pubescence is somewhat coarser.

Length, 3 lines; breadth,  $\frac{5}{8}$ .

Waitakerei Range, Auckland.

### *Oxylasma* (p. 679).

1726. *O. basalis*, *n.s.* Elongate, sub-depressed, narrowed towards the extremities, slightly glossy, castaneous, base of elytra testaceous.

*Antennæ* elongate, sub-filiform, second joint rather shorter than third, and, conjointly, barely the length of the fourth. Smaller than *O. tectum*, the thorax not at all rugose as in that species, its lateral margins less developed, anterior angles more depressed and less prominent, its punctuation finer but closer, and its yellow villosity more conspicuous (longer and coarser); the elytral interstices are much more elevated, but not rugose; and the middle of the forehead, instead of being obtusely rounded, is almost angulated. The underside is more finely sculptured and clothed.

Length,  $4\frac{1}{2}$  lines; breadth,  $1\frac{1}{2}$ .

Mount Egmont. Five examples.

## Group—DASYLLIDÆ.

## Mesocyphon (p. 316).

1727. *M. monticola*, *n.s.* Sub-depressed, rather narrow, clothed with pale-yellow hairs; head and thorax opaque, pitchy-brown; elytra somewhat shining, variegate, testaceous and blackish, the suture sometimes rufescent; legs and second joint of antennæ testaceous, the other joints and the palpi more or less fuscous.

*Head* as large as thorax, densely and distinctly granulated; eyes prominent. *Antennæ* with the second articulation one-half the length of the third. *Thorax* transverse, finely margined laterally, base sinuous, sides a little curved; its sculpture like that of the head. *Scutellum* granulated. *Elytra* slightly depressed before the middle, finely punctured. *Underside* infusate, finely sculptured and clothed; the genal space granulated.

The opaque and densely-granulated head and thorax distinguish this species. Most part of the elytra is dusky, but the base and four abbreviated streaks near it, two short streaks at the apices close to the suture, and some irregular discoidal marks, are testaceous.

Length, 2 lines; breadth,  $\frac{3}{4}$ .

Found on Mount Egmont at an elevation of about 3,500ft.

1728. *M. granulata*, *n.s.* Body finely granulated; variegate, obscure-ferruginous; head and thoracic disc, and irregular marks on elytra, dark-brown; the legs and all but the four terminal joints of the antennæ testaceous, these latter and the palpi blackish; sub-opaque, covered with distinct greyish hairs.

*Head* moderate. *Thorax* small, strongly transverse, its sides straight. *Elytra* impressed near the middle, distinctly granulated near the base, the granules becoming finer behind, so that near the apices they seem to be replaced by punctures.

The head and thorax are more glossy and more finely granulated than in *M. monticola*. A glance at the basal portion of the wing-cases will enable it to be identified. *Underside* variegated-fuscous, finely sculptured and pubescent; genal space punctate.

Length, 2 lines; breadth,  $\frac{7}{8}$ .

Taken on Mount Egmont, about 3,000ft. up.

## Cyphon (p. 318).

1729. *C. signatus*, *n.s.* Ferruginous, most of the base of the elytra, sometimes the suture, and two large, almost contiguous apical spots pitchy-brown, the basal half of the thorax usually darker than the frontal; tarsi and antennæ fulvescent; densely clothed with short, depressed, brassy hairs; under-surface rufocastaneous, covered with fine greyish hairs; oblong-oval, slightly convex; head, thorax, and scutellum finely and closely granulate, elytra obliquely depressed before the middle, closely and distinctly punctate.

*Head* broad, the genal space sculptured but without a sub-ocular line. *Thorax* small, transverse, narrower than elytra, its sides



marginated and nearly straight, front angles rectangular and sub-acute, the posterior rectangular, base sinuate. *Antennæ* stout, second joint as stout as but shorter than first, oviform, third almost as long as fourth but much more slender.

Its most natural position is near *C. parviceps*.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{5}{8}$ .

Mount Egmont, five examples.

1730. *C. æthiops*, *n.s.* Convex, rather broad, unimpressed, covered with fine, inconspicuous, cinereous hairs; body shining, wholly black, joints 2-6 of the antennæ testaceous, the other joints, palpi, tarsi, and knees brown.

*Head* broad, no sub-ocular line, genal space sculptured, bearing very minute distant granules. *Antennæ* stout, third articulation nearly as long as but more slender than fourth. *Thorax* short, as broad as elytra at base, margins fine, hind angles rectangular, anterior obtuse, base sinuate, its sculpture like that of the head. *Elytra* widest behind, moderately punctured.

This species resembles *C. rectangularis*, but in it the granules are easily seen, whereas in this species the granules, when examined under the microscope with a half-inch lens, appear like acute prominences scarcely thicker than hairs.

Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{5}{8}$ .

Mount Egmont, 3,200ft. Tolerably common.

1731. *C. trivialis*, *n.s.* Convex, neither broad nor narrow, covered with fine, pale-yellow hairs, slightly shining, fuscous, the sides of elytra generally more or less testaceous; antennæ, palpi, and legs testaceous.

*Head* broad, with very minute distant granules, genal space sculptured, without any distinct carina. *Antennæ* stout, third joint nearly equalling the fourth in length but more slender. *Thorax* short, nearly as broad as elytra at base, its angles rectangular, sculptured like the head. *Elytra* widest behind, indistinctly impressed near the base, moderately punctured. *Underside* fuscous, with fine, pale-yellow hairs.

The proper place for this little species is, I think, near *C. oscillans*.

Length,  $\frac{7}{8}$  line; breadth, nearly  $\frac{1}{2}$ .

Mount Egmont. Several examples.

## Group—MELANDRYIDÆ.

### *Ctenoplectron* (p. 400).

1732. *C. coloratum*, *n.s.* Lanceolate, finely and densely reticulated, shining; thorax and elytra fusco-niger, head and legs obscure-red, underside piceous; the palpi, a sub-apical fascia, and an elongate vitta on each elytron yellow; the posterior edge of the vitta, and most part of the elytral margins, rufous.

*Head* rather small, bearing some fine punctures and minute greyish hairs. *Antennæ* long, blackish. *Thorax* considerably con-

tracted in front, sides finely margined, not straight nor regularly curved, but somewhat sinuated; rather uneven above, dorsal impression broad. *Scutellum* sub-quadrate. *Elytra* clothed with depressed, inconspicuous, greyish hairs, the suture not coarsely ciliated; each with three well-defined costæ behind, between each of which there are two striæ; these are separated from each other by raised interstices, but all become obsolete beyond the middle, so that the basal portion is nearly plane.

The coloration of the upper surface is somewhat similar to that of *C. vittatum*, but there the resemblance ends.

Length,  $5\frac{1}{2}$  lines; breadth,  $1\frac{3}{4}$ .

This, the finest specimen of the genus, was found at Preservation Inlet, Otago, by Mr. Hansen.

1733. *C. dignum*, *n.s.* Sub-opaque, black, legs and antennæ fuscous, the sub-apical fascia and elongate basal vitta of each elytron testaceous; the decumbent hairs corresponding in colour with the parts of the derm on which they occur, but those on the posterior portion of the elytra are slightly brassy.

*Prothorax* broadly sulcate down the middle, and with an indistinct impression nearer the sides. *Elytra* distinctly bicostate behind, but with an abbreviated and less evident elevation beyond; these costæ are separated by wide intervals, the middle of each of these latter is more or less convex, becoming near the middle of the disc almost as much raised as the costæ themselves, but all are quite imperceptible on approaching the base.

In appearance like *C. vittatum*, but in that species the pubescence of the head and thorax is quite yellow, the interstices between the costæ are not elevated, and the elytral suture and margins are more obviously fringed. The sculpture of the derm is pretty much alike in all the species.

Length,  $3\frac{1}{2}$  lines; breadth, 1.

Mount Egmont.

### *Chalcodrya* (p. 402).

1734. *C. mollis*, *n.s.* Elongate, sub-parallel, scarcely convex, variegate.

*Head* roundish, convex, rather closely and deeply punctured; obscure-red, clothed with bright-yellow hairs; eyes not very prominent. *Antennæ* short, testaceous, but with the tips of the joints fuscous; third articulation not greatly exceeding the fourth; 4-8 sub-equal; ninth nearly twice the length of the eighth, obconical; tenth almost quadrate, hardly longer than eighth; eleventh largest. *Thorax* finely margined, transverse, its apex truncate, base rounded, sides almost straight, posterior angles much curved; the disc a little unlevel, rugosely punctate, the broad median impression and two other spots almost smooth; rufo-castaneous, bearing golden hairs. *Scutellum* transversal. *Elytra* pale greyish-testaceous, particularly on the basal region, but with most of the rest of the surface dusky in hue; densely covered with very fine greyish

hairs; they are rather finely striate-punctate, the interstices are broad and finely wrinkled transversely, some exhibit a few punctures, but none are uneven; apices individually rounded. *Legs* elongate, testaceous, the tarsi of the same colours as the antennæ.

The typical species is larger; this has the base and hind angles of the thorax more rounded, its front angles also are more obtuse and are only very slightly prominent, whilst the elytral sculpture and the pubescence of the body are wholly different.

Obs.—I found one of *C. variegata* at Tairua quite lately, and three on Mount Egmont.

Length, 5 lines; breadth, 1½.

My specimen was sent from Otago by Mr. T. Chalmer.

### Group—CEDEMERIDÆ.

#### *Thelyphassa* (p. 422).

1735. *T. limbata*, *n.s.* Elongate, depressed, clothed with fine greyish hairs, shining, most of the dorsum fuscous, the sides, limbs, and sternum pale-testaceous, abdomen somewhat infusate.

*Head* finely punctured. *Thorax* a little unlevel, widest near the front, moderately finely and closely punctured, less so on the middle. *Scutellum* densely sculptured, grooved longitudinally. *Elytra* broader than thorax, widest behind, apices individually rounded; densely and finely punctated, each with three obsolete costæ. *Underside* finely sculptured and pubescent.

When compared with *T. diaphana* the difference in colour will be apparent. The terminal joint of the maxillary palpi is rather longer and narrower, and the semi-circular notch is smaller. The inter-ocular punctation is not so close. Sometimes the head and thorax are grooved down the middle.

♂. Length, 5¼–6¼ lines; breadth, 1½–1¾.

Found on the underside of logs on the steel-sand of the beach at Manukau Heads, and also, under similar conditions, near New Plymouth.

### Group—RHYPAROSOMIDÆ.

#### *Cecyropa* (p. 437).

1736. *C. macularia*, *n.s.* Sub-oblong, medially contracted, convex, punctate, opaque, fuscous; bearing numerous fine grey setæ, most part of the dorsum with minute, dusky-brown, the sides and legs with greyish, scales; legs and antennæ obscure-red.

*Rostrum* rather long, scape covered with grey scales and fine bristles; *funiculus* sparsely pilose, its two basal joints nearly equal, the others transverse; club well limited. *Thorax* transverse, much rounded laterally, a little constricted in front. *Elytra* sub-ovate, broadest just behind the oblique shoulders; finely striate-punctate, the striæ feebly impressed, interstices broad. *Legs* normal.

Should be located next to *C. brevipenne*; the sides of the thorax, however, are more strongly curved, and scarcely narrower than the



widest part of the hind-body. The grey scales form spots on the back, sometimes three on the thorax, two at the base of the elytra, and many others on the disc.

Length (rost. incl.),  $2\frac{3}{4}$  lines; breadth,  $1\frac{1}{4}$ .

Found on the underside of a log on the sea-beach near New Plymouth, Taranaki.

## Group—CYLINDRORHINIDÆ.

### *Inophlœus* (p. 439).

1737. *I. egregius*, *n.s.* Piceous, antennæ and tarsi obscure-rufous, densely covered with minute, flat, greyish-red scales and paler decumbent, scale-like setæ.

*Rostrum* quite as long as thorax, rather narrow, and expanded near the apex only, not perceptibly carinate, rather closely but finely punctured. *Scape* reaching the back part of the eye, squamose; *funiculus* elongate, its joints gradually decreasing in length, first twice as long as third. *Thorax* a good deal narrowed behind, widest before the middle; a little unlevel, its punctation concealed by the squamosity. *Scutellum* distinct, griseous. *Elytra* sub-oblong, shoulders oblique, sides not parallel, vertical and narrow behind, apices obtuse; there are two horizontal protuberances on the summit of the posterior declivity, and three less conspicuous elevations just behind, on a lower plane, and darker in colour; striate-punctate, somewhat uneven, but without well-defined costæ. *Tibiæ* flexuose.

Clothed like *Empæotos crispatus*, but, with the exception of the absence of the usual carinæ on the beak, a veritable *Inophlœus*. The rostrum is longer than common.

Length (rost. incl.),  $4\frac{1}{2}$  lines; breadth,  $1\frac{5}{8}$ .

Mount Egmont, elevation 3,500ft.

### *Lyperobius* (p. 444).

1738. *L. cupiendus*, *n.s.* Sub-ovate, convex, sub-opaque, black, the depressed parts covered with greyish scale-like matter. *Underside* more or less punctate, and bearing some fine pallid scales.

Differs from *L. carinatus* as follows:—

*Rostrum* more coarsely and rugosely sculptured, with irregular furrows formed by confluent punctures. *Thorax* with a median and two lateral, broad, shallow impressions, caused by coarse confluent punctures, the spaces between these depressed parts with fewer punctures, all, however, larger than those seen on *L. carinatus*. *Elytra* shorter; including the lateral margin and suture, each has nine costæ, the sutural reaches the apex, the second is angularly united to the ninth, and the third to the eighth, the fourth and sixth are shorter and confluent, the fifth is insulated and does not attain the base; the second, fourth, and sixth are narrower than the others; all are more or less finely and distantly punctated; the intervals between the costæ are densely covered, so that their sculpture is concealed, but it seems to consist of shallow pits or cavities sepa-

rated by narrow interstices. The antennæ bear dark, in place of yellow, hairs.

Length (rost. excl.), 7 lines; breadth,  $3\frac{3}{4}$ .

Mr. G. M. Thomson, F.L.S., of Dunedin, was kind enough to send me a specimen which he picked up off the ground on Mount Tyndall, at an elevation of 6,500ft.

## Group—ERIRHINIDÆ.

### Simachus.

*Nov. gen.*

*Body* oviform. *Rostrum* cylindrical; scrobes attaining the eyes and beginning near the apex in the male sex. *Funiculus* 6-articulate. *Thorax* sub-truncate at base and apex, without ocular lobes. *Eyes* moderate, rounded. *Legs* robust, femora unarmed, tibiæ a little bent. *Tarsi* stout, third joint cleft almost to its base and pubescent underneath; claws short and stout and strongly appendiculate. *Front coxæ* prominent and contiguous. *Metasternum* rather short. *Abdomen* with the two basal segments nearly equal, third and fourth short.

The type bears some resemblance to *Erirhinus limbatus*, but differs therefrom by its six-jointed funicle.

1739. **S. montanus**, *n.s.* Convex, oviform, slightly nitid, pale reddish-brown, snout and antennæ somewhat rufescent; clothed with evenly-distributed, slender, yellowish hairs.

*Rostrum* longer than thorax, arched, parallel, moderately slender, with rows of punctures. *Antennæ* elongate, scape almost straight, thickened apically; *funiculus* pubescent, basal joint large, incrassated towards the extremity, second similarly formed but only half the bulk of the first, third rather longer than fourth, sixth transverse; club large, ovate, articulate. *Thorax* a little broader than long, its sides rounded, narrowed and a little constricted and depressed in front, distinctly and moderately-closely punctured. *Scutellum* small. *Elytra* truncate at base, widest before the middle, a good deal narrowed posteriorly; striate-punctate (appearing punctate-striate), interstices seemingly impunctate. *Legs* stout, thighs notched near the end, inflated near the middle, but not toothed. *Underside* dusky-brown, rather coarsely punctured, and bearing fine greyish hairs.

In one example there are on the hind-body a large basal, two median, and an apical spots, which are slightly darker than the rest of the surface.

Length (rost. incl.),  $1\frac{1}{4}$ – $1\frac{3}{4}$  lines; breadth, nearly  $\frac{1}{2}$ .

Mount Elmont.

### *Erirhinus* (p. 449).

1740. **E. cheesemani**, *n.s.* Oblong-oval, convex, shining; clothed with grey hairs, some of which are much coarser than others; testaceous; the thorax, a large basal lobate space, an interrupted oblique fascia formed by eight spots between the hind legs, and two

more or less conspicuous apical spots on the elytra smoky-brown; scape fulvescent, funiculus and club infusate.

*Rostrum* longer than head and thorax, arched, slender, parallel, grooved and punctate. *Scape* shorter than funiculus, shining, thickened at apex. *Funiculus* pubescent, basal joint stout, largest, second elongate, cylindrical, joints 3-7 decrease in length, third and fourth longer than broad, the others not transverse; *club* large, oblong-oval, tri-articulate. *Prothorax* a little broader than long, slightly rounded laterally, moderately coarsely punctured, the middle of the disc more distantly. *Scutellum* oblong. *Elytra* oblong, broader and very much longer than the thorax, their sides slightly curved, distinctly striate-punctate (almost crenate-striate), interstices finely punctured. *Legs* stout, front *thighs* incrassate, intermediate obtusely angulated, posterior toothed below, *tibiæ* flexuous, *tarsi* stout. *Underside* blackish, more or less punctate, bearing fine greyish hairs. The *metasternum*, the two basal, and the apical abdominal segments broadly concave.

♀. Femora not dentate, snout more slender and elongate, antennæ inserted just before the middle instead of near the apex, hind-body shorter.

OBS.—A very similar form occurs in Otago, in which the thorax is rather shorter, and more strongly rounded at the sides, the dark basal elytral spot is nearly absent, and the whole antenna is sometimes testaceous. I consider it a varietal form of Nos. 1244 and 1245, just intermediate in fact, so that these two may ultimately be looked upon as one variable and widely-distributed species. The underside of No. 1244 is like that of *E. cheesemani*, but the apical ventral segment is unimpressed.

Length (rost. incl.),  $1\frac{1}{4}$ – $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$ .

Mount Egmont.

1741. **E. difformipes**, *n.s.* Sub-oblong, moderately convex, variegate.

*Rostrum* longer than head and thorax, slender, arched, parallel, rufo-fuscous, striate-punctate, its base with elongate yellow scales. *Antennæ* long and slender, scape fulvescent, funiculus fuscous and bearing grey hairs, first joint long and stout, 2-6 decrease in length, all longer than broad, second slender and about equal to the first in length; club elongate, oblong-oval, tri-articulate. *Prothorax* transverse, abruptly narrowed in front, its sides rounded; rather closely punctured, interstices finely sculptured; clothed with longish yellow hairs, obscure-testaceous, with elongate smoky marks. *Elytra* oblong, much broader at base than at thorax, from thence gradually narrowed; striate-punctate, interstices not distinctly punctured; they are clothed with slender and coarse yellowish hairs, most of the disc is of the same colour as the thorax, but the sides and apices are dark-brown, very slightly tinged with green. *Legs* of a pale variegate-fuscous hue, long and stout; two front pairs of *thighs* simple, posterior angulated, but not distinctly toothed below; anterior *tibiæ* nearly straight, intermediate flexuose, hind pair a good deal



arcuated; tarsi stout, their *claws* strongly appendiculate. *Underside* greenish-brown, with short hairs.

♀. Body shorter, rostrum still more slender and elongate ( $\frac{1}{2}$  line long), femora unarmed, tibiæ a little bent, darker in colour, mostly infusate, antennæ implanted medially.

The arched posterior tibiæ renders its identification easy.

♂. Length (rost. incl.),  $1\frac{7}{8}$  lines; breadth,  $\frac{5}{8}$ .

Taken near Howick.

1742. **E. nesobius**, *n.s.* Oblong-oval, moderately convex, slightly shining, closely covered with pale-yellow scale-like hairs, finer on the thorax; testaceous; the scutellar region, sometimes the suture, two sub-apical spots, and a smaller median one at the side of each elytron, fuscous; antennæ fulvescent, club a little darker.

*Rostrum* parallel, arched, longer than thorax, not very slender, punctate and indistinctly grooved. *Antennæ* elongate, inserted before the middle, club ovate. *Eyes* moderately prominent. *Thorax* broader than long, contracted anteriorly, widest at the middle, nearly straight behind; neither closely nor coarsely punctured. *Scutellum* small. *Elytra* oblong, broader than thorax, distinctly striate-punctate, interstices rather narrow. *Legs* stout, front thighs widely notched near the end, the hind pair angulated and sub-dentate below; tibiæ flexuose. *Underside* sparsely clothed with pale hairs, with moderate and not deep punctures; prosternum testaceous, the rest of the breast and the two basal segments of abdomen dark-brown, the other segments paler. The dark spots on the wing-cases are not constant.

Difficult to distinguish satisfactorily by description alone from No. 1244 and its immediate allies.

Length (rost. incl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$ .

Taken off the native broom on Mokohinau Island, by Mr. P. Stewart-Sandager.

### **Dorytomus** (p. 453).

1743. **D. aciphyllæ**, *n.s.* Elongate, sub-ovate, slightly convex, sparingly clothed with slender, greyish hairs; variegated, thorax infusate, its disc pitchy; beak and antennæ infusate-red, club dark; legs testaceous-brown, thighs sometimes darker; elytra testaceous, but with a large lobate basal spot and the greater portion of the sides fusco-rufous.

*Rostrum* elongate, parallel, slender, arched, its punctuation almost in rows. *Antennæ* elongate, inserted near apex. *Thorax* transverse, rounded laterally, nearly straight behind the middle, moderately punctured. *Scutellum* blackish. *Elytra* ovate, considerably narrowed apically; strongly striate-punctate, striæ distinct, interstices minutely punctured; each with two very slight indefinite sub-transversal elevations (one near the middle, the other sub-apical): these cause the post-median space to appear depressed. *Femora* stout, anterior simple, the two hind pairs notched near the extremity and sub-dentate below.

♀. Rostrum very elongate ( $\frac{3}{4}$  line long), quite parallel, arched, finely sculptured, antennæ inserted just before the middle, all the thighs unarmed.

Closely related to *D. trilobus*, the beak more slender and elongate in both sexes, and the elytra, instead of being nearly oblong, are broadest near the middle and much narrowed behind; in the male the thighs are decidedly more slender and less dentate, and the eyes are not so prominent.

Length (rost. incl.),  $2\frac{1}{4}$ – $2\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ .

Taken off the inflorescence of *Aciphyllæ* on Mount Egmont; elevation about 3,000ft.

### **Eugnomus** (p. 458).

1744. **E. monachus**, *n.s.* Black, bearing fine black and grey hairs; a linear space on the middle of the thorax, and nearly the whole disc of the elytra covered with elongate, depressed, grey scales; legs and antennæ blackish, the scape occasionally castaneous. Underside black, more or less punctate, with grey hairs.

Differs from *E. interstitialis* in having the hind-body longer, and, consequently, of more oblong contour. The eyes, though prominent, are more widely separated. The rostrum is rather narrower at the base and more expanded apically. The head and thorax are as coarsely but more closely punctured. The striæ of the elytra seem very much finer. The femora are quite normal in structure, the tibiæ are flexuose, and the two hind pairs are a little produced inwardly at the extremity.

Length (rost. incl.),  $2$ – $2\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$ – $\frac{3}{4}$ .

Mount Egmont: elevation 1,000ft. It frequents the flowers of the Towai (*Weinmannia racemosa*).

## **Group—CRYPTORHYNCHIDÆ.**

### **Acalles** (p. 488).

1745. **A. floricola**, *n.s.* Sub-ovate, convex; densely covered with yellowish-grey depressed and erect scales, intermingled here and there with fuscous ones; body pitchy-red or piceous, beak red, antennæ and tarsi fulvous.

Rostrum as long as thorax, slightly arched, almost parallel, shining, its sides more or less obviously grooved and punctured. Antennæ medially inserted, scape shorter than funiculus, basal joint of the latter rather long, second elongate but much shorter and more slender than first; club well limited, ovate. Thorax much contracted in front, coarsely and closely punctured. No scutellum. Elytra oviform, coarsely striate-punctate, their sides blackish. Legs robust, tarsi stout, third joint distinctly lobate and expanded. Underside pitchy-red; metasternum short, coarsely and very rugosely punctured; the two basal segments large, the suture between them indistinct and much arcuated, the first more coarsely punctated than the second, third and fourth short, with deep sutures.

The insect is usually covered with sappy matter concealing the colour and sculpture.

Length (rost. excl.), 1 line; breadth, nearly  $\frac{1}{2}$ .

Taken from a Mesembryanthemum on Mokohinau Island by Mr. P. Stewart-Sandager.

## Agacalles.

Nov. gen.

*Rostrum* as long as thorax, slightly and gradually expanded apically, a little arched; its scrobes deep, extending from the middle to the eyes: these latter depressed. *Antennæ* moderate; *scape* short, flexuose, thickened towards the end; *funiculus* 7-articulate, the two basal joints elongate; club large, ovate. *Thorax* oviform, without ocular lobes, but with its apex obtusely projecting over the head, base sub-truncate. *Scutellum* invisible. *Elytra* cordiform. *Legs* long, *femora* not much inflated but widely excised near the extremity, each with an obvious tooth underneath; *tibiæ* somewhat sinuous, with distinct apical hooks; *tarsi* rather narrow, pilose below, basal joint elongate, second short, third broadest, deeply lobed. *Pectoral canal* profound, extending half-way through the mesosternum; *metasternum* very short, truncate between the coxæ. *Abdomen* elongate, its basal segment twice the length of the metasternum, second shorter, third and fourth very short, fifth inflexed. *Epipleuræ* linear. Body rather elongate, contracted medially, not crested.

Whilst exhibiting the characters of *Acalles* (having the facies of an elongated *Acalles hystriculus*), it departs therefrom by the dentate thighs. It is quite dissimilar to such forms as *Crisius*, *Tychanus*, and *Sympedius*.

1746. **A. formosus**, *n.s.* Elongate, medially narrowed, moderately convex; blackish, tarsi and antennæ fulvous, snout rufopiceous; clothing variegate, chiefly depressed, hair-like, red scales, some greyish ones often form three small spots on the base of the thorax, and a more or less evident oblique fascia (broadly bordered outside with black) near the hind thigh; there are lateral patches pitchy, and the posterior squamosity is usually fulvous; there are also numerous dusky, erect, hair-like setæ.

*Rostrum* striate-punctate, its basal part covered with greyish scales. *Antennæ* implanted behind the middle; *scape* much shorter than the funicle, the two basal joints of which are of almost equal length, but the second is much more slender than the first, third and fourth a little longer than broad, the following three subquadrate. *Thorax* widest at the middle, oviform, coarsely punctured. *Elytra* elongate-cordate, slightly broader at base than the thorax, attenuated behind; coarsely striate-punctate, posterior sculpture less easily seen. *Underside* blackish, coarsely and closely punctured, bearing slender yellow scales, third and fourth abdominal segments with one row of punctures, fifth clothed with hairs instead of scales.



Length (rost. incl.),  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$ .

Found on the ground amongst decaying leaves, near Howick.

### Scelodolichus (p. 495).

1747. *S. altulus*, n.s. Sub-opaque, piceous, antennæ and tarsi fulvescent; clothing variegate, intermingled with elongate erect setæ; body rather narrow and very convex, the hind-body particularly.

*Rostrum* as long as thorax, a little expanded near its apex, its frontal portion with a few fine punctures, the basal squamose and more or less punctate-striate. *Thorax* about as long as broad, much narrowed and depressed towards the front, which covers the head; down the middle there is a fine carina, it is moderately closely but not coarsely punctured, and bears long, depressed, fulvous scales. *Elytra* more elevated than thorax, widest before the middle, evenly covered with minute depressed, pale-brassy scales; there are no striae, and but very few punctures can be detected, so that their surface seems smooth. *Legs* moderately long and stout, fuscous; tibiæ reddish. *Underside* blackish and opaque.

The *hind-body* is shorter and more convex than is the case in the typical forms. In this genus the squamosity is easily rubbed off, so that in most examples the most elevated portion of the elytra is bald.

Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{5}{8}$ .

Found on Mokohinau Island, by Mr. Sandager.

### Group—COSSONIDÆ.

#### Pentarthrum (p. 508).

1748: *P. comatum*, n.s. Elongate, slightly convex, pilose, ferruginous, a little glossy.

*Rostrum* stout, rather shorter than thorax, its apical portion a little broader than the basal and less coarsely punctured, interstices finely sculptured. *Antennæ* proceeding from before the middle, stout; scape gradually thickened; first joint of funiculus stout, second longer than third and but little dilated at its extremity, fifth shorter but broader than fourth; club well limited, ovate. *Eyes* well developed. *Occiput* not contracted nor quite smooth. *Thorax* longer than broad, well rounded behind the middle, a good deal narrowed and slightly constricted in front; with a fovea-like frontal impression, disc a little convex, moderately finely and distantly punctured, clothed with inconspicuous slender grey hairs, but on the sides with coarser yellow hairs. *Scutellum* small, shining. *Elytra* elongate, truncate at base, nearly parallel as far as the hind legs; broadly impressed before the middle, striae-punctate, interstices appearing rugose, clothed with fine yellow hairs. *Legs* elongate but stout, pubescent; tibiæ of nearly equal thickness, their inner apical process distinct, their external hooks small; tarsi rather large, third joint much expanded and strongly lobed. *Underside* rufo-castaneous, with fine yellow hairs; metasternum with a linear impression not reaching the base; first abdominal segment broadly impressed; moderately closely punctated.

*P. sharpianum* is its nearest ally, but in this species the snout is more cylindric and distinctly punctate; the second antennal joint is less expanded apically, and the club is shorter and broader; the sides of the thorax are more strongly rounded, more narrowed in front, and the disc is more convex; the legs are longer and less robust, the tibiæ differ, and the tarsi are more expanded, &c.

♂. Length, nearly  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{8}$ .

Found near Howick.

1749. **P. morosum**, *n.s.* Fusiform, sub-depressed, sparsely clothed with excessively minute grey hairs; shining, pitchy-black; base of scape, and the funiculus, rufo-piceous.

*Rostrum* arched, quite as long as thorax, parallel, finely and not closely punctured, more closely behind. *Eyes* moderately prominent. *Antennæ* medially implanted; scape short, flexuous, not much thickened; second joint of funiculus longer than third, the others transverse; club elongate, oval. *Prothorax* but little longer than broad, slightly constricted and considerably narrowed in front, rounded laterally; not depressed, moderately finely, distinctly, and rather closely punctured. *Scutellum* smooth. *Elytra* rather broader than thorax, sub-parallel, feebly bi-arcuate at base, moderately striate-punctate, interstices finely punctured and wrinkled. *Legs* long, femora inflated, tibiæ bent, the inner apex acutely produced, hooks moderately developed, third tarsal joint lobed but not much widened.

There is only one near ally, *P. longirostre*. This species is, however, rather less convex, the thorax is more curved behind the middle, rostrum still longer, &c.

♀. Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{1}{2}$ .

I found one near Howick last summer (1884), and, curiously enough, I got another on Mount Egmont two months afterwards.

### **Rhinanisus** (p. 805).

1750. **R. sagax**, *n.s.* Elongate, sub-depressed, bearing silky yellow hairs, those on the thorax coarser than the others; a little nitid, ferruginous.

*Rostrum* shorter than thorax, narrower behind than in front, finely and distantly punctated on its anterior portion, more coarsely on the posterior. *Antennæ* stout, springing from before the middle; scape a good deal thickened apically; second joint of funiculus a little longer than third, the others slightly transverse; club ovate, well defined. *Eyes* moderate. *Head* smooth behind the eyes. *Prothorax* longer than broad, rounded laterally, much narrowed and constricted in front; very indistinctly impressed longitudinally, rather finely and distantly punctured, its raised apical portion nearly smooth. *Scutellum* impunctate. *Elytra* elongate, parallel, broader than thorax, base truncate; nearly plane above, striate-punctate, striæ feeble, interstices very finely and remotely punctured. *Legs* rather long, thighs but little swollen, tibiæ sub-linear, the inner process distinct, hooks small, third tarsal joint lobate but not large.

Larger than *R. parvicornis*; the antennal club much larger;

thorax more rounded at the sides, and, therefore, of a different outline, and more deeply constricted in front, so as to be more like that of *Eucossonus setiger*; hind-body more elongate; legs and rostrum longer, &c.

Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{1}{4}$ .

Found near Mount Egmont.

### Agastegnus (p. 805).

1751. *A. femoralis*, n.s. Sub-depressed, moderately elongate, clothed with yellow hairs, those on the sides of the thorax brighter and longer than those on the elytra; a little shining, ferruginous, elytra suffused with brown, antennæ and tarsi fulvous.

*Rostrum* rather shorter than thorax, very gradually and not greatly thickened, very finely and rather distantly punctured. *Head* nearly smooth behind. *Antennæ* long and stout; scape considerably bent; second joint of funiculus twice as long as third. *Thorax* much narrowed and constricted in front, rather finely and distantly punctured, obsoletely impressed longitudinally. *Elytra* slightly bi-impressed, moderately striated but with distinct punctures, interstices rugose, third elevated posteriorly and uniting with the external one. *Legs* elongate, thighs a good deal inflated, so as to appear as if notched at the end, third tarsal joint (anterior) moderately dilated and bearing long slender hairs.

The swollen femora and unicolorous antennæ will lead to its recognition.

♂. Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{3}{8}$ .

Discovered at Mount Egmont.

1752. *A. sericatus*, n.s. Castaneo-rufous, legs infusate, beak and antennæ red, club blackish; not glossy, rather densely clothed with very elongate, slender, silky, yellow hairs.

In shape and sculpture almost exactly like *A. ruficollis*; rather larger, thoracic disc depressed, elytra bi-impressed, the suture and third elytral interstices raised behind, with a slight gap between their apices, posterior tibiæ armed with a short spine at inner extremity. The clothing and coloration are unlike, the silky hairs on the wing-cases being quite as long as those on the thorax, the rostrum is longer, and the antennæ are decidedly longer and stouter.

♂. Length,  $1\frac{1}{8}$  lines; breadth, quite  $\frac{1}{4}$ .

Found near Howick.

### Glyphorhamphus.

*Nov. gen.*

*Rostrum* stout, shorter than thorax, parallel, quite perpendicular in front, the summit of the declivity concave; scrobes very broad, lateral. *Head* rather broader than beak, broad and smooth behind the eyes. Eyes moderately prominent, lateral, distinctly faceted. *Antennæ* inserted close to apex, rather long but uncommonly thick; scape flexuose, very much incrassated for half its length; funiculus 5-articulate, first joint large, second nearly as long but more slender,



twice the length of the following one, joints 3-5 transverse; club well defined, oval, densely pubescent. *Thorax* a little longer than broad, much narrowed and constricted in front but broad and well rounded behind the middle, base truncate. *Scutellum* distinct, quadrangular. *Elytra* as wide as middle of thorax, parallel. *Legs* long and robust; *femora* swollen and angulated below; *tibiae* somewhat expanded towards the extremity, where they are inwardly armed with a spiniform process, their hooks small; *tarsi* moderate, pubescent, their penultimate joint expanded and bilobed.

There is no approximate form amongst the *Pentarthridæ*. The body is like that of *Macroscytalus*, the rostrum is thick vertically, and the scape is disproportionately incrassate.

1753. *G. rarus*, n.s. Sub-depressed, moderately elongate; shining, pitchy-red, antennæ fulvous; clothed with yellow and fine greyish hairs, these latter on the elytra.

*Rostrum* minutely and densely sculptured, and with some punctures which are most conspicuous near the base. *Antennæ* finely pilose. *Head* pilose, nearly smooth behind. *Thorax* rather longer than broad, much narrowed and constricted anteriorly, broadest, and strongly rounded, behind the middle; rather finely and distantly punctured on the disc, obsoletely impressed down the middle, its apex raised and nearly smooth. *Scutellum* impunctate. *Elytra* parallel-sided, as broad as the widest part of the thorax, leaving an evident gap between it and the humeral angles; bi-impressed transversely, striate-punctate, interstices rugose, the sutural and third elevated behind and continued round the apex.

♂. Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{3}{8}$ .

Taken on Mount Egmont.

## Exomesites.

### Nov. gen.

*Body* robust, yet depressed above. *Thorax* oblong, abruptly contracted just at its apex, base strongly bisinuate. *Scutellum* minute. *Elytra* abruptly broader than thorax, base strongly arcuate, gradually narrowed posteriorly. *Rostrum* stout, gradually expanded till reaching the point of antennal insertion—near the apex—where it is much broader; its *scrobes* profound, oblique, quite easily seen from above. *Antennæ* moderately elongate; scape gradually incrassated; funiculus 7-articulate, first and second joints of nearly equal length; club distinct, ovate. *Eyes* prominent. *Occiput* smooth. *Legs* long, *femora* inflated; *tibiae* laterally compressed and wide, apical hooks strongly developed, the inner apex acute; *tarsi* elongate and narrow, the penultimate joint but little broader than second, its apex excavated for the articulation of the terminal, and disclosing the small true fourth joint at its base; claws moderate.

The legs are like those of the typical *Pentarthra* (*P. zealandicum*, for example, but longer): *Coptorhamphus* from Borneo, *Lipancylus* from South America, *Pachytrogus* from Chili, *Stereomimetus* from

Australia, and the European *Mesites* are the only cognate forms so far as the shape of the thorax is concerned. The rostrum is peculiar, very *Otiorhynchus*-like.

1754. **E. optimus**, *n.s.* Shining, rufo-piceous; the sides of the elytral disc infusate, a broad ante-apical space yellow; legs clear yellow, but with the base of the thighs and the knees brownish; antennæ and tarsi red; it is clothed with a few minute, greyish hairs.

*Rostrum* shorter than thorax, wider before than behind the antennæ, moderately coarsely punctured. *Antennæ* with grey hairs; the two basal joints of the funiculus of about equal length, second more slender than first, the others transverse; club ovate, densely pubescent. *Head* smooth, and not in the least contracted, behind the eyes. *Thorax* oblong, scarcely curved laterally, suddenly narrowed at the apex, deeply bisinuate at base; uneven yet nearly plane above, with a longitudinal depression (rather closely and sometimes confluent punctured) on each side of the middle separated by a narrow smooth line, which, when looked at sideways, appears like a carina; the punctation of the rest of its surface irregular, rather coarse, but on some parts rather distant. *Elytra* abruptly broader than thorax at the base, where they are strongly arcuated, not parallel, but gradually narrowed towards the extremity; rather flat above, somewhat impressed near the middle, striate-punctate, the grooves distinct, but the punctation quite obsolete behind, the middle portion without striæ, interstices smooth, the third, fifth, and seventh sub-carinate at base.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$ .

Detected on the underside of a log at Stratford, near the base of Mount Egmont.

### **Pselactus.**

*Nov. gen.*

*Body* stout, transversely convex. *Rostrum* parallel; scrobes oblique. *Eyes* oviform, depressed. *Antennæ* implanted medially; scape short, much curved, its extremity incrassate; funiculus longer than scape, 7-articulate; club distinct, ovate. *Head* convex, not constricted behind. *Thorax* as long as broad, base and apex truncate, sides obtusely rounded. *Scutellum* invisible. *Elytra* rather short, broader than thorax, oblong, abruptly deflexed behind. *Legs* moderate, laterally compressed; *tibiæ* nearly straight, their hooks strongly developed; *tarsi* elongate and slender, sparsely pilose below, basal and apical joints equally elongate, third slightly expanded and lobate; claws small. Anterior *coxæ* prominent and narrowly separated, posterior distant. *Metasternum* not elongate. *Epipleura* very narrow. Two basal segments of *abdomen* large, the suture much sinuated, third and fourth short, with deep sutures.

A form approaching the *Scolytidæ*, somewhat similar to *Inosomus* (No. 1312).

1755. **P. punctatus**, *n.s.* Robust, transversely convex, slightly

shining, clothed with fine yellowish hairs; piceous, somewhat brownish, antennæ and tarsi rufous.

*Rostrum* nearly as long as thorax, stout, parallel, cylindrical, moderately finely and rugosely punctured. *Antennæ* pubescent, basal joint of funiculus stout, largest, second rather longer than broad; the others nearly equal, transverse; club oblong-oval. *Head* short, vertex convex. *Thorax* about as long as broad, its middle part widest, sides a little rounded, rather gradually narrowed anteriorly, moderately coarsely and closely (almost rugosely) punctured. *Elytra* a little broader than thorax at base, twice its length, cylindrical, deflexed but not narrowed posteriorly; striate-punctate, interstices finely punctured and slightly rugose. *Tibiæ* very much compressed laterally, rugose-punctate. *Underside* piceous, punctate, the breast more coarsely than the abdomen; clothed with slender, inconspicuous, greyish hairs.

♀. *Rostrum* cylindric, longer and narrower than that of the other sex: all the upper surface of the body less coarsely sculptured; antennæ inserted almost behind the middle of the beak.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$ .

Found by Messrs. T. F. Cheeseman, F.L.S., I. Adams, B.A., and myself, on the underside of logs embedded in the sea-sand, near New Plymouth.

## Group—LAMIIDÆ.

### *Xylotoles* (p. 592).

1756. *X. angustulus*, *n.s.* Elongate, narrow, sub-parallel; coppery-brown, occasionally rufescent, legs and antennæ reddish and unicolorous, pubescent, palpi testaceous, but half of the apical joint infuscate.

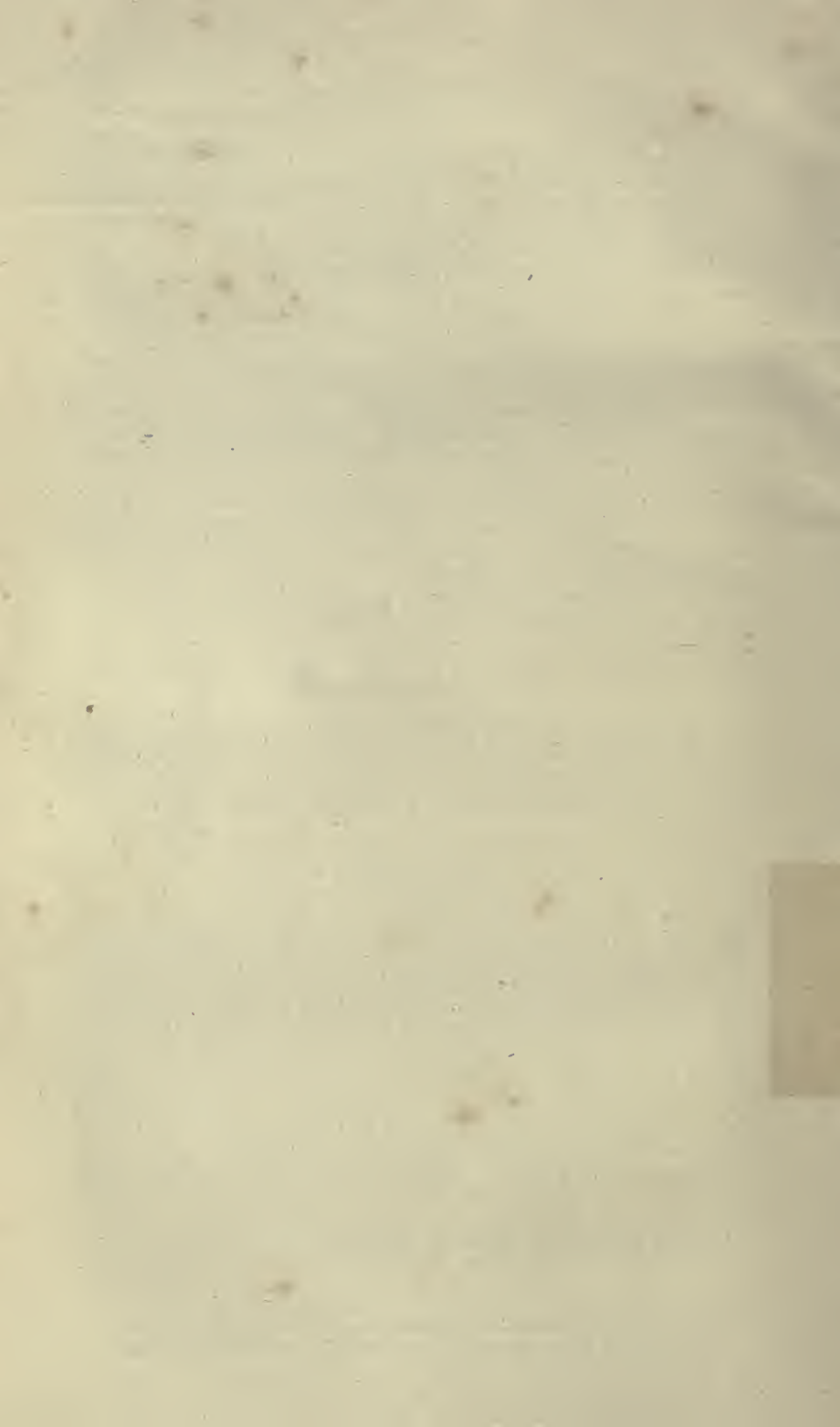
*Head* impunctate, longitudinally sulcate, with some fine, scattered yellow hairs. *Prothorax* cylindric, with a fine basal and frontal grooves, its disc finely irregularly wrinkled, the space just before the base with fine transverse wrinkles, the sides with some tawny pubescence. *Scutellum* broadly curvilinearly triangular and pubescent. *Elytra* no broader than thorax at the base, a little broader near the middle, attenuated posteriorly, apices prolonged and divergent; each with three indistinct costæ having a row of coarse punctures between them; these rows do not extend beyond the middle and are finer and usually duplicated at the base; they are evenly but not very densely covered with short, depressed, yellow hairs, some paler than others, but never forming spots. *Underside* smooth, glossy, dark coppery-brown, the sides of the breast and each of the abdominal segments with a patch of yellow pubescence.

Much narrower than *X. rugicollis*, differently sculptured, without spots on the elytra, and the thorax longer and not dilated laterally.

Length,  $5\frac{1}{4}$ – $6\frac{1}{4}$  lines; breadth,  $1\frac{1}{4}$ – $1\frac{1}{2}$ .

Found at the base of Mount Egmont at an elevation of 950 feet.





New Zealand Institute.

MANUAL  
OF THE  
NEW ZEALAND COLEOPTERA.

BY  
CAPTAIN THOMAS BROWN.

PARTS V., VI., VII.

PUBLISHED BY THE BOARD OF GOVERNORS.

  
NEW ZEALAND :  
SAMUEL COSTALL, GOVERNMENT PRINTING OFFICE, WELLINGTON.

1893.





## PREFACE.

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THE following work consists of Parts V., VI., and VII. of the *MANUAL OF THE NEW ZEALAND COLEOPTERA*, by Captain Thomas Broun, of Auckland. The former parts, I. to IV., comprising 973 pages octavo, were printed by Government as one of the series of natural-history publications issued by the Geological Survey and Museum Department between 1880 and 1886.

In those early parts 1,756 species were described, and in the present work 836 new species are added to the list, making the total number of New Zealand beetles known to science to be 2,592; and Captain Broun considers that over seven hundred species still remain undescribed.

Of the present additions, 660 have been described by Captain Broun, 172 by Dr. David Sharp, four by Mr. Matthews, and one by M. Fauvel; and, in order to place these species in proper systematic position, the author, Captain Broun, has found it necessary to establish several new genera.

The part now published, having formed a succession of communications to the Auckland branch of the New Zealand Institute between 1886 and 1892, is now published by the Board of Governors as a separate volume, being too voluminous for insertion in the annual volume of Transactions.

JAMES HECTOR,

DIRECTOR.

*Colonial Museum, Wellington,  
14th January, 1893.*

## AMENDMENTS OF NOMENCLATURE.

The following alterations of generic and specific names have become necessary:—

No. 291, *Platysoma cognatum*, Sharp, is the Australian *P. bakewelli*, Mar-seul.

No. 298, *Saprinus pedator*, Sharp, belongs to the genus *Pachylopus*.

No. 1162, *Saprinus lepidulus*, Broun, is a *Pachylopus*. No. 1163, *Saprinus latipes*, Broun, must stand, as the *S. latipes*, Bon., 1872, is a *Dendrophilus*.

Mr. G. Lewis was kind enough, unasked, to send the above information on the *Histeridæ*.

No. 482, *Buprestis enysi*, Sharp, is, according to Mr. C. O. Waterhouse, a *Nascio*.

No. 492, *Thoramus obscurus*, Sharp, is the same as *T. wakefieldi*.

No. 541, *Geranus crassus*, Sharp, is the female of *G. lineicollis*, White.

No. 136, *Hydroporus wakefieldi*, Sharp, and No. 137, *Hydroporus duplex*, Sharp, belong to the genus *Antiporus*.

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## ERRATA AND AUTHOR'S AMENDMENTS.

### PAGE.

- 977. Line 14 from bottom—"Castlenau's is" should read "Castelnau's description is."
- 981. *D. ovipenne*, 7th line—Before "the thorax" read "base of."
- 985. Line 4 from bottom—After "deeply" read "grooved."
- 987. Line 16—For "freely" read "feebly."
- 988. Line 5 from foot—For "no general swelling" read "no genal swelling."
- 989. Line 9 from foot—For "nitideis" read "nitidis."
- 992. The number 1872, *P. ovatellus*, should be "82."
- 999. *P. insidiosus*, line 3 from end of description—For "fine setæ" read "five setæ."
- 1003. At end of Nos. 1797 and 1798 insert habitat—"Mount Arthur. Cheeseman."
- 1005. At end of No. 1801 insert, "Length, 2½ lines; breadth, 1½ lines. Mount Arthur. Cheeseman."
- 1006. Line 14—For "basal organs" read "basal angles."
- 1025. Line 5 from foot—For "apex" read "base."
- 1045. Line 5 from foot—For "between" read "towards."
- 1100. Line 2—For "unctate" read "punctate."
- 1111. No. 1969, line 2 from end—For "set" read "sex."
- 1112. No. 1993, line 3—For "angustate" read "angustato."
- 1157. Line 15—For "convexly transverse" read "transversely convex."
- 1175. *Cecyropa*, line 1—After "Rostrum breve," insert "crassum."
- 1179. Line 9—For "variegatis" read "variegatus."
- 1204. Line 9 from bottom—For "hind margin" read "front margin."
- 1232. Line 8—For "generally" read "gradually."
- 1246. No. 2194, line 20—For "groove" read "grooves."
- 1256. Line 10—For "pubescent" read "rufescent."
- 1262. Line 2—For "brands" read "bands."
- 1308. Line 10—For "Palpi articulo" read "Palpi maxillares articulo."
- 1324. Line 4—For "setigerous seta" read "setigerous puncture."
- 1335. No. 2342, line 7—For "point" read "front."
- 1337. No. 2391, line 5—For "intersection" read "insertion."
- 1369. Line 1—For "point" read "front."
- 1393. *Vericobius*, line 2—For "within" read "with a."

# LIST OF SPECIES OF NEW ZEALAND COLEOPTERA

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2240	jucunda	-	2280	deplanatus, Sharp	-	1297
2241	binotata	-	2281	castaneus, Broun	-	1297
2242	vittata	-	2282	finitimus	-	1298
Æmona—			2283	albihirtus	-	1298
2243	humilis, Newman	-	2284	gnarus	-	1298
2244	villosa, Sharp	-	2285	femoralis	-	1299
999	hirta, Fabricius	-	2286	thoracicus	-	1299
2245	inæqualis, Sharp	-	2287	rufescens	-	1300
1000	simplicollis, Broun	-	Pœcilippe—			
2246	mutica	-	2288	medialis, Sharp	-	1301
2247	plicicollis	-	2289	femoralis	-	1301
2248	debilis	-	CRYPTOCEPHALIDÆ.			
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2249	dispar, Sharp	-	1444	compactus, Sharp	-	1302
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2251	testaceus	-	Eucolaspis—			
2252	lentiginosus	-	2290	ochracea, Broun	-	1303
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2253	amabilis, Broun	-	2292	montana	-	1304
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2255	bifasciatus, Broun.	-	CHRYSOMELIDÆ.			
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2256	castum, Broun	-	2294	marginata, Sharp	-	1306
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2257	piceus, Broun	-	2296	limbata	-	1307
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2258	urbanus, Broun	-	2297	globosus, Sharp	-	1308
2259	lautus	-	2298	plagiatus, Broun	-	1308
2260	picticornis	-	2299	pullatus	-	1309
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2261	sticticum, Broun	-	Aphilon—			
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2262	discedens, Sharp	-	2302	convexum	-	1310
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2274	simplex	-	2314	truncatus	-	1316
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2588 pictulus, <i>Broun</i> -	1503
2589 rotundatus " -	1503

## OTIORHYNCHIDÆ.

Catoptes—	
2591 scutellaris, <i>Sharp</i> -	1503
2592 longulus " -	1504





# NEW ZEALAND COLEOPTERA.

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## PART V.

### Group—CICINDELIDÆ.

#### Cicindela.

1757. *C. helmsi*, n.s. (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 358.) *Nigra*, parum metalliscente, labro elytrorumque margine albidis; hoc haud lato, post humerum interrupto, post medium fasciam sat elongatum emittente; pronoti margine laterale simplice.

Long., 8mm.

*Antennæ* entirely dull-black, rather elongate; *head* small; *labrum* large, pallid-yellow, slightly oblique on each side (in the male), and with a short tooth in the middle; sculpture of head and *thorax* very fine; *elytra* moderately broad, of a dull-slate colour, with a few indistinct green spots scattered over them; the cream-coloured margin is narrow, and is interrupted, so that the basal portion forms a slender lunule; the post-median fascia is slender and irregular; the *legs* are elongate, the femora green, the tibiæ dark, slightly fuscous at the knees.

This insect is allied to *C. feredayi*, Bates, from which it differs by the surface of the elytra being smooth, the very numerous blue specks seen in *C. feredayi* being here very obsolete and very few, while on the other hand there are some larger, round, green spots scattered over the surface, not arranged in a series; the humeral lunule is small and isolated, and the post-median fascia short and irregular. It more resembles *C. austro-montana*, Bates, but that species is remarkable by the large development and duplication of the side margin of the pronotum.

The only specimen I have seen of this species was sent me some years ago from Texas, North America, by Mr. Belfrage, who also informed me that it came from Greymouth. It was probably found there by the naturalist who has been so persevering and successful in collecting the invertebrates of New Zealand, and after whom I have, with much pleasure, named it.

[Notes added during press.—Both sexes of this species have now been received; and, although the examples are in bad preservation, they are sufficient to confirm the species as a very distinct one; the surface of the wing-cases is much marked by large but extremely obsolete pits; the pallid lateral margin has some brown specks in its

apical portion; the female is rather larger and broader than the male, and has, at the extremity of the suture, a deep, remarkably definite, narrow, common excision. The interruption near the base of the pallid lateral margin is constant.]

### Mecodema.

1758. **M. ducale**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, Nov., 1886.) Major, elongatum nigrum, haud nitidum; prothorace basi fortiter coarctato, lateribus crenatis, dorso, præsertim versus latera, transversim strigoso; elytris interne lævigatis, externe rugulose foveolatis.

Long., 30mm.

Length of thorax rather more than three-fourths of the greatest width, the sides strongly rounded, abruptly contracted behind, the hind angles rectangular, the lateral margin much interrupted, so as to be conspicuously crenate; along the middle is a very definite longitudinal channel, and the surface has distinct, rather distant transverse wrinkles, which are only very slightly impressed or obsolete over a great part of the surface, being a little more distinct near the sides and the median channel; touching the lateral margin at its point of constriction there is a small deep fovea not extending to the base, the hind margin distinctly emarginate in the middle; elytra elongate, near the sides with deep, coarse, regular foveæ, but more than half the surface is smooth.

This is probably the most remarkable carabideous insect yet discovered in New Zealand, and will be readily distinguished by the peculiar sculpture of the wing-cases.

A single female was sent by Helms; it was captured at Ahaura, near Greymouth, in 1884.

1759. **M. rugiceps**, *n.s.* (*Sharp*; *Trans. Roy. Dublin Soc.*, Nov., 1886.) Parum latum, nigrum, capite thoraceque profunde rugosis, hoc lateribus crenatis, elytris ubique subæqualiter variolosis.

Long., 21mm.

*Head* with very prominent eyes, which are placed rather nearer to the thoracic margin than they are in *M. sculpturatum*, the surface bearing deep, coarse rugæ, which are distant on the disc, denser on the vertex, where also they are chiefly transverse in their direction, and appear to a certain extent to consist of large punctures. *Thorax* rather flat, the length nearly seven-eighths of the greatest width, the sides rounded, much constricted behind, the hind angles rectangular, the base truncate, the lateral margin numerously interrupted, with about eight intramarginal tactile setæ on each side, the surface evenly covered with deep, quite uninterrupted transverse lines, and bearing a longitudinal channel which does not quite attain the front or the hind margin; close to both these margins there are short longitudinal plicæ; there is a small impression at the point of constriction on each side, not attaining the base. *Elytra* regularly covered with impressions placed in series, deep at the sides, more



shallow towards the suture. Legs black; middle tibiæ very asperate externally.

None of the descriptions of other species at all accord with the sculpture of this insect.

Three examples were found by Helms, near Bealey, in 1884.

1760. *M. metallicum*, *n.s.* (*Sharp; Trans. Roy. Dublin Soc.*, 1861.) *Angustulum*, nigro-piceum, supra æneum, antennis pedibusque piceis, femoribus rufis; capite subrugoso, vertice latius punctato; prothorace elongato, lateribus obsolete crenatis, dorso parum profunde transversim rugoso; elytris ubique subæqualiter variolosis.

Long., 18mm.

*Antennæ* and palpi dark-red; head very irregularly rugose, the rugæ not elongate or very definite, the vertex coarsely punctate. *Thorax* elongate, very nearly as long as broad, with a channel on the middle becoming obsolete before attaining the front margin, the surface with rather distant, coarse, but not deeply impressed, transverse rugæ; the base has distinct longitudinal plicæ; the sides are but little rounded, but are narrowed behind, and sinuate so as to form a rather well marked contraction close to the base; the base is a little emarginate in the middle, and the hind angles rather obtuse; at the point of contraction there is a depression not reaching the base; the lateral margin is not truly crenate, though it has the appearance of being broken owing to its being impinged on by the punctures in which the intra-marginal tactile setæ are placed; these latter are nine or ten in number on each side, the three or four anterior being placed rather near one another. The *elytra* are narrow, the shoulders being excessively diminished, and they bear series of impressions or large punctures, the external ones being deep, those near the suture rather smaller and less deep.

Greymouth. I received my example of this species from Mr. Helms four or five years ago, but have not described it hitherto, hoping I might be able to compare it with *M. crenicolle*, Cast., to which it is probably allied. Although I have not been able to make the acquaintance of Castelnau's species, I feel little doubt the two are distinct, though Castelnau's is very brief and imperfect.

NOTE.--*Metaglymma punctifer*, No. 1323, and *M. æneoniger*, No. 1453, must be placed in the genus *Mecodema*. In both species the tibiæ are not dilated apically, and the seven terminal articulations of the antennæ are pubescent.—T.B.

1761. *M. suteri*, *n.s.* Black, shining; tarsi, antennæ, and palpi piceous.

*Head* finely punctured behind, with short longitudinal striolæ in front, sides longitudinally rugose, the middle and posterior portions obsoletely and irregularly wrinkled; *mandibles* striate; *eyes* prominent. *Antennæ* moderate, second joint as long as third; basal four joints glabrous, except for the presence of a few fine hairs at the extremity, the other joints pubescent. *Thorax* broader than long ( $3\frac{1}{8}$  by  $1\frac{1}{2}$  lines), base slightly incurved, apex nearly truncate, hardly

wider at the middle than in front, a good deal narrowed behind (sinuously), basal angles rectangular; sides not truly crenate, there being only three or four notches before the middle, and, on each side, eight or ten hairs or tactile setæ; dorsal groove not reaching apex, sometimes falling short of the base; basal fossæ deep, with some punctures near them, situated close to the angles; the middle indistinctly transversely wrinkled; there are some small punctures in front half-way between the middle and sides, and a few short, feeble longitudinal grooves. *Elytra* elongate, much wider behind the posterior femora than at the shoulders; each with four moderate costæ, between which are placed two rows of punctures generally accompanied by numerous short, irregular, aciculate impressions; the sculpture more indefinite behind, and deeper near the sides than at the suture.

*Underside* glossy-black, head with fine, short, irregular rugosities, flanks of prosternum more or less punctate.

*Legs* stout, middle tibiæ with four or five asperities; the posterior a little curvate inwardly (towards the front), apex simple; the others a little produced at extremity; *tarsi* with first four joints (anterior) produced outwardly in front, the intermediate pair more slightly.

♂. Length,  $11\frac{1}{2}$ ; breadth,  $3\frac{3}{4}$  lines.

Mount Cook, near the Hermitage. Mr. Suter sent me ten specimens for examination, under three different numbers, some in rather bad order as regards legs and tarsi. Sometimes the head is more distinctly sculptured; in other cases the thorax is more or less punctate along the base; in another example the elytral punctures near the suture are replaced by numerous short, irregular scratch-like marks, similar to those seen in *M. sculpturatum*. These different forms, after prolonged study, I deem to be only varieties of one species, which should, I think, be placed near the typical one.

### Metaglymma.

1762. *M. asperum*, n.s. *Oblong*, moderately convex; black, rather dull; antennæ, legs, and palpi rufo-piceous.

*Head* moderately broad, not distinctly contracted behind the prominent eyes, without rugæ, but bearing two obvious punctiform impressions on its vertex. *Antennæ* stout, not pubescent, having but three or four yellow hairs on each joint. *Thorax* nearly as long as broad, base incurved, slightly rounded laterally, not abruptly narrowed behind, posterior angles obtuse; side rims not regularly crenate, appearing as if broken by the punctures in which the intra-marginal hairs are placed; with a punctated dorsal line, basal fossæ well developed, almost circular, with an indefinite connecting impression. *Elytra* moderately broad, narrowed at the shoulders, distinctly punctate-striate, most shallow near the suture, interstices broad, feebly lineated transversely; the sculpture more irregular behind, where, indeed, several small granular-like elevations occur, the seventh stria with three hairs or setæ. *Tibiæ* with well-marked apical prolongations.



Larger than my example of *M. monilifer*, the thoracic margins and channels different, and distinguished from all the other recorded species by the two large interocular punctures. The minute asperities on the hinder portion of the wing-cases may be detected on *M. rufipes*, but that insect is altogether more brilliant and otherwise dissimilar.

♂. Length,  $9\frac{1}{2}$ ; breadth, 3 lines.

One, found by Mr. S. W. Fulton, 9th November, 1882, at the sea-beach, Taieri.

1763. *M. junctum*, *n.s.* Black, not glossy, legs rufo-piceous; palpi, tarsi, and antennæ paler.

Very much like *M. asperum*, but the thorax is relatively broader and of much more rounded outline, the marginal channels are diminished, and its base is truncate. The hind tibiæ are less asperate, and not so much prolonged apically.

Length, 8; breadth,  $2\frac{3}{4}$  lines.

I am indebted to Mr. S. W. Fulton for my specimen, which was found at Strath-Taieri.

NOTE.—*Metaglymma puncticeps* (No. 1323) and *M. æneoniger* (No. 1453) must be placed in the genus *Mecodema*. In both these species the seven terminal articulations of the antennæ are pubescent, and the tibiæ are not dilated apically.

1764. *M. sulcatum*, *n.s.* (Sharp; *Trans. Roy. Dublin Soc.*, Nov., 1886.) *Nigrum*, antennis pedibusque piceis; *prothorace* impunctato, *canalicula* longitudinali impresso; *elytris* fortiter profundeque punctato-sulcatis.

Long., 18mm.

*Head* without punctures or wrinkles; with prominent eyes, and very indistinct postocular constriction. *Thorax* with a length nearly seven-eighths of the width, a little rounded at the sides, considerably narrowed behind, and with a gentle, not abrupt, basal sinuation; the surface without sculpture, transversely convex; the side margin not crenate, but infringed on by the punctures bearing the intramarginal tactile setæ, of which there are six on each side; hind angles rather obtuse, the lateral foveæ indistinct. *Elytra* large, parallel-sided, with regular, very broad, deep striæ, bearing coarse punctures. Front *tibiæ* with moderately long apical prolongation; middle *tibiæ* a little, hind *tibiæ* scarcely at all, incrassate at tip.

This bears a considerable resemblance to *M. monilifer*, Bates, the typical species of the genus, but is distinct by some important characters; the antennæ are shorter, and the pubescent area on their upper and lower margins are greater; the thorax has a basal prolongation; the elytra are deeply sulcate, and the tibiæ much less dilated at the extremity.

Picton. Helms; three examples, in bad condition.

NOTE.—Dr. Sharp states that he considers Castelnau's *Metaglymma clivinoides*, No. 29, to be a *Diglymma*.—T.B.



1765. **M. tersatum**, *n.s.* *Convex*, moderately shining, black, legs and antennæ pitchy-red.

*Head* impunctate, not rugose, interantennal sulcus straight and deep; eyes prominent; mandibles feebly striate. *Thorax* slightly broader than long, much contracted behind; lateral margins moderately explanate and rugose, disappearing near the base, so that the large fossæ are bordered externally by a narrow, short, and not very straight carina; the sides are not crenate, but five or six setiferous punctures make them look as if they were; the discoidal groove does not reach the apex, and it ends in a rather large fovea near the base; there are a few fine, irregular striæ, but no punctures; the posterior angles are obtuse or ill-defined, they cannot be termed rectangular. *Elytra* oblong, their sides a little curved; strongly punctate-striate, the sculpture confused behind, consisting chiefly of large punctiform impressions, the lateral sculpture coarser than the sutural; the four inner striæ, on each elytron, reach the base; the interstice between the fifth and sixth disappears near the base, where these two striæ are represented by one series of three or four cavities; the same thing occurs in the case of the next two striæ; the seventh interstice reaches the base, and appears more convex than those near it; those near the suture are rather broad and flat.

*Tibiæ* normal, the anterior moderately prolonged at the outer angle, the middle asperate and strongly angulated, the posterior moderately. *Antennæ* almost without fine pubescence.

The nearest allies are *M. monilifer* and *M. sulcatum*. It differs from the former in having the labrum more strongly curved, the thoracic margins less widened, and the sutural striæ less distinct near the apex. From the latter it differs in the elytral sculpture, and by the large basal fossæ.

Length, 8; breadth,  $2\frac{1}{2}$  lines.

Lake Te Kapo region. One male; Mr. T. F. Cheeseman.

## Diglymma.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 360.)

*Ex affinitate generis Mecodemæ.* *Antennæ* breves, moniliformes, articulis 5–11 ubique pubescentibus. *Palpi* graciles, articulo ultimo tenue, præcedente vix crassiore. *Tibiæ* anteriores sat latæ, extus rectæ, angulo apicale externo haud producto. *Tarsi* breves.

The two species for which I propose this name are allied to *Metaglymma*, from which they differ by the unproduced angle of the front tibiæ, and by the strongly pubescent antennæ, as well as by the mandibles, which in *Metaglymma* are elongate, and have no seta in the scrobe, whereas in *Diglymma* the scrobe is setigerous.

They have the terminal joint of the *palpi* more slender than in any of the other yet described New Zealand Broscini, and in this respect differ strongly from *Oregus*, which also has front tibiæ simple at the apex. *Diglymma* differs from *Mecodema* by the tibial structure, and by the shorter tarsi and more slender palpi. The only

other New Zealand genus of the Broscini is *Brullea*, and, although I am not acquainted with it except by description, it is evident that it is very different from *Diglymma*. According to Putzeys (*Ann. Mus. Gen.*, 1873, p. 318) it has the palpi slender like *Diglymma*, but the structure of the tibiæ must be remarkably different. *Metaglymma clivinoides*, Cast., redescribed at length by Putzeys in his revision of the Australian and New Zealand Broscides (*op. sup. cit.*, p. 413), is, I think, probably a species of *Diglymma*, though it is strange that Putzeys should have placed it in *Metaglymma* if it has pubescent antennæ, as he makes the bare condition of those organs one of the most prominent characters of *Metaglymma*; he indicates, however, that *M. clivinoides* should probably form a new genus, without mentioning the grounds for his opinion. His words are: "Ces deux derniers insectes [*i.e.*, *M. clivinoides* and *M. dyschirioides*] appartiennent à peine au genre dans lequel je les laisse provisoirement."

1766. **D. ovipenne**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 361.) *Nigrum*, antennis pedibusque piceis; *prothorace* nitido, elongato, profunde canaliculato, utrinque ad basin foveolato, basi apiceque crebre punctatis; *elytris* regulariter profunde striatis, striis crebre punctatis.

Long., 12–14mm.

*Antennæ* short, not reaching so far back as the thorax. *Head* small, not much more than half as broad as the thorax, with a series of punctures extending across the vertex at a point in a line with the back of the eyes, where it is depressed, and also with a feeble punctuation on each side of the front. *Thorax* elongate, just as long as it is broad; the sides rounded, contracted behind and sinuate; the hind angles almost rectangular, but slightly obtuse; the lateral margin is entire; the surface is shining-black; there is a very deep channel along the middle which does not reach the base or apex, parallel with the front and also with the base there are numerous rather deep punctures, and across the middle a few extremely fine and obsolete transverse undulatory lines, and at each side at the point of constriction an elongate sinuous fovea reaching the base. The *elytra* are curved at the sides, and deeply striate, so that the interstices are a little converse; the striae numerous and distinctly punctured.

Grey mouth. Helms.

1767. **D. dubium**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 361.) *Nigrum*, antennis pedibusque piceis; *prothorace* nitido, elongato, profunde canaliculato, utrinque ad basin foveolato, basi apiceque punctatis; *elytris* regulariter striatis, striis punctatis versus apicem obsolete.

Long., 11mm.

This is very closely allied to *D. ovipenne*, but is rather less elongate, and has the *elytra* more lightly striate, so that at the sides and extremity the striation becomes obsolete.

Mr. Bates, who kindly allowed me to examine his rich collection,



and aided me with his stores of knowledge, thought this might be the *Metaglymma clivinoides*, Cast.; but, after carefully reading Putzey's redescription of the species made from Castelnau's type, I do not think this can be the case, there being several discrepancies, especially the omission of any reference to the punctuation of the base and front of the thorax; the thoracic base, indeed, of *M. clivinoides* is said to be slightly rugose.

Bealey. Helms; two examples.

OBS.—No. 1454 belongs to this genus, and becomes *Diglymma obtusum*. There are some obsolete punctures near the sides of the head.—T.B.

1768. **D. punctipenne**, *n.s.* Glossy, black, elytra somewhat rufescent behind; legs pitchy-red, antennæ and palpi paler.

*Head*, along each side, with a deep groove, this is separate from the usual elongate frontal impression by a raised space; it is much contracted behind the eyes, across this part are numerous rather shallow punctures similar to those near the frontal impressions. *Labrum* obliquely curved towards the middle, which, therefore, appears emarginate. *Eyes* prominent. *Thorax* just about as long as broad, finely margined, oviform, slightly wider near the front than it is elsewhere, the sides but little curved, much more so towards the base, so that the hind angles are obtuse or obsolete; dorsal groove deep, not reaching the base or apex, there are some fine scratch-like impressions; the basal fossæ are moderately deep, sinuous, and narrow, the intervening space is irregularly punctured, there are no well-marked punctures in front, but round shallow impressions are distributed over the surface, especially near the sides. *Elytra* elongate, oval, rather broader than thorax, convex; only moderately punctate-striate, the sculpture less distinct near the sides and apex; interstices with numerous scattered punctures, some as small as those in the striæ, others larger.

Male. Front *tarsi* with the basal joints dilated, not at the outer angle only, but along the whole side.

The elytral sculpture is distinctive. The terminal joint of the *palpi*, though elongate, is oviform and rather thick. The *antennæ* have moniliform joints; the pubescence begins with the fourth joint, but does not wholly cover it. The basal portion of the thorax is not so abruptly narrowed as it is in *Metaglymma*.

Length,  $5\frac{1}{2}$ ; breadth,  $1\frac{7}{8}$  lines.

Puysegur Point. I am indebted to Mr. Hansen for my specimens.

1769. **D. nigripes**, *n.s.* Shining, black; the legs and five basal joints of the antennæ piceo-niger; the remaining joints, and the palpi, rufescent; tarsi rufo-piceous.

Closely allied to *D. punctipenne*; the punctuation of the head, and that of the thorax, less distinct; the larger impressions on the thorax, and those on the elytral interstices, are absent; on the other hand, the striæ are rather deeper; the palpi are thinner. In



*D. obtusum* the head is less constricted behind the eyes, and the thorax is less oviform. *D. dubium*, I think, must be a broader insect with distinct punctures on the front of the thorax.

Length,  $5\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Puysegur Point. Mr. Hansen.

## Acallistus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 362.)

*Ex affinitate generis Promecoderi*, sed corpus superne subplanatum, et tarsi intermediarii maris simplices, anteriores subtus imperfecte spongiosi.

The insect for which I establish this genus is very different from the other New Zealand *Brosidæ*, the thorax being finely margined at the sides, and furnished with only two tactile *setæ*, one some distance behind the front angle, and the other about equally as much in front of the hind angle. The *antennæ* are slender, pubescent from the fourth joint onwards; the front *tibiæ* are not at all prolonged externally; there is a seta in the scrobe of the *mandible*; the *labrum* is large, feebly emarginate—almost truncate, in fact—in front, and its setigerous punctures are minute. The *palpi* are all slender, with slightly truncate apex; the lobes of the *mentum* rather short, and its excision has a small triangular tooth in the middle. The front *tarsi* of the male are but little dilated; the basal joint is rather elongate, and is furnished with a transverse patch of spongy clothing at its extremity; the second and third joints are nearly entirely covered beneath, but the small fourth joint appears to have no sexual clothing, though that projecting from the third joint somewhat covers its base. The intermediate tarsi in this sex are not dilated, and are without clothing.

The characters bring this genus very close to the well-known Australian genus *Promecoderus*, but the appearance is very different, owing to the comparatively flat upper surface of the body; and, as the male feet present apparently well-marked differences from those of *Promecoderus*, it would not be proper to place the New Zealand insect in that genus.

1770. **A. simplex**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 363.) *Niger*, supra subviridescens, subopacus, antennis tarsisque piceo-rufis; *prothorace* posterius angustato, transversim subtiliter strigoso; *elytris* striatis, striis punctatis.

Long.,  $10\frac{1}{2}$  mm.

*Head* dull-black, without sculpture. *Thorax* just as long as broad, truncate in front, curved at the sides, considerably more narrowed behind than in front; hind angles extremely obtuse; the surface dull, without any punctuation; channelled along the middle, the channel equally abbreviated in front and behind, with a few fine, but distinct, transverse wrinkles. *Elytra* much curved at the sides, with distinct, but quite shallow, striæ, which are somewhat coarsely

but obsoletely punctate, and are obsolete at the sides and apex. The *legs* are black, the tarsi pitchy-red.

New Zealand. Castelnau; a single example. This insect has, perhaps, more the facies of *Adelium aucklandicum*, Broun—one of the *Heteromera*—than of any New Zealand *Carabidæ*.

### Ctenognathus.

(Fairmaire; *Ann. Soc. Entom. France*, 1843.)

This genus includes such species of *Anchomenidæ* as possess only one tactile seta on each side of the thorax, placed in front of the middle. This character is substituted for Fairmaire's by Dr. Sharp.

1771. **C. munroi**, *n.s.* *Robust*, broad, not depressed, shining-black; tarsi and palpi pitchy-red; the basal four articulations of antennæ piceous, the others pale fusco-rufous.

*Head* oviform, nearly smooth; eyes prominent; labrum truncate, or nearly so. *Thorax* very little broader than long, almost regularly rounded laterally, but, though narrowed, nearly straight behind the middle, posterior angles obtuse; base and apex truncate; lateral margins distinct and somewhat reflexed, not angulated medially; disc almost convex, basal depressions large, prolonged forwards to beyond the middle, yet separated from the marginal channels; dorsal groove well marked, furcate near the front. *Scutellum* triangular, smooth. *Elytra* oviform, broader than thorax, widest before the middle, narrowed and sinuated apically; apices, conjointly, with a sutural, almost semicircular, excision; humeral angles rounded; they are somewhat convex, especially the suture, which is raised, and appears smooth and shining as compared with the finely shagreened and rather dull but silky-looking surface, this smooth sutural space widened in front and there impressed with a short groove or row of punctures; they are distinctly striate, with regular punctures in the striæ, interstices without punctures.

*Underside* glossy, pitchy-black; both sexes with two faint setigerous punctures near the apex of the last ventral segment.

Male. *Tarsi* estriate, or with only very feebly-marked impressions on the anterior.

Its nearest ally is undoubtedly No. 1455, but in that species the elytral apices are much narrower and more prolonged; the thorax is shorter, broader, incurved in front, transversely strigose, and its basal angles are more rounded; the labrum is emarginate.

♂, ♀. Length, 7–7½ lines; breadth, 2¾ lines.

Clevedon, South; Wairoa. The name of its discoverer, Mr. George Munro, has been applied to this fine species.

45. **C. latipennis** (new name). (*Anchomenus elevatus*, *Bates; Ann. Nat. Hist.*, xiii., p. 10 (reprint), *nec* White. *Sharp; Trans. Roy. Dub. Soc.*, Nov., 1886, p. 363.) *Robustus*, *laticus*, *niger*, *antennis palpisque rufis*, *pedibus piceis*; *prothorace lato angulis posterioribus perobtusis*; *elytris profunde striatis*, *striis haud punctatis*, *interstitio secundo puncto unico versus apicem sito*.

Long.,  $13\frac{1}{2}$ mm.

The salient characters of this species have been mentioned by Mr. Bates as above.

The *thorax* is very broad, the length, however, being more than three-fourths of the width, without sculpture, with the lateral margin rather broadly and evenly reflexed from base to apex, the base a little narrower than the front, the hind angles unusually obtuse. The *elytra* are very broad, rather short, very deeply and evenly striate, with a single puncture placed near the extremity of the second interstice. The grooving of the *tarsi* is variable in its development; it may be, and usually is, nearly entirely absent, but in other examples there is a distinct groove on each side of the middle of the basal joints, extending sometimes as far as the fourth. The male has three, the female five, setigerous punctures on each side of the hind margin of the last ventral segment. It is allied by the single puncture on the second interstice to *Colpodes neo-zealandicus*, Chaud. Whether this latter species be *C. novæ-zealandiæ*, Fairm., or not I cannot say; Fairmaire's species is not alluded to by Chaudoir.

It may here be useful to state, for the information of New Zealand naturalists, that in the *Annales de la Société Entomologique de France*, 1878, Chaudoir has described five species from New Zealand purporting to be new—viz., *Colpodes neo-zealandicus*, p. 294; *bidens*, p. 303; *crenatus*, p. 304; *cardiophorus*, p. 305; *macropterus*, p. 370. These are not alluded to by Broun, so that it is probable that some of his numerous species may be synonymous with those of Chaudoir.

1772. **C. pictonensis**, n.s. (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 364.) *Niger*, antennis pedibusque læte rufis; prothorace cordato, secundum latera fortiter depresso, angulis posterioribus argute rectis; elytris fortiter profundeque punctatis, apicibus prolongatis, interstitio secundo ante apicem puncto unico notato.

Long., 11mm.

This species is distinguishable by the bright-coloured legs and antennæ, the deep striation of the *elytra*, and the very cordate *thorax*, whose hind angles are sharply rectangular; the lateral margin of the thorax appears much elevated, owing to a depression extending parallel to it, and within this there is a second curvate feeble impression; the surface near the hind angles is greatly depressed, the median channel and the anterior transverse impression very deep; there is no distinct punctuation or rugosity. The very deep elytral striæ are, when strongly magnified, seen to be only very indistinctly punctured; their apices are gently sinuate, and a good deal prolonged. The tooth of the *mentum* is entire, but broad and truncate at the apex; the fourth joint of the hind tarsus feebly emarginate, the surface of the tarsus deeply on each side of the middle, and with a less distinct lateral groove.

This is readily distinguished from *Anchomenus helmsi*, which has similarly-coloured legs and antennæ, by the remarkably deep stria-



tion of the elytra, and by there being only one tactile seta on each side of the thorax.

Picton. Helms; a good series.

OBS.—The genus *Ctenognathus* now consists of the undermentioned species:—

Nos.		Nos.	
45.	<i>C. latipennis</i> , Sharp.	52.	<i>C. perrugithorax</i> , Broun.
43.	<i>C. parabilis</i> , Broun.	1455.	<i>C. lucifugus</i> , "
46.	<i>C. politulus</i> , "	1686.	<i>C. adamsi</i> , "
44.	<i>C. batesi</i> , "		<i>C. pictonensis</i> , "
42.	<i>C. deformipes</i> , "		<i>C. bidens</i> , Chaudoir.
57.	<i>C. cheesemani</i> , "		<i>C. munroi</i> , Broun.
51.	<i>C. suborbithorax</i> , "		

N.B.—1686: No setæ present in my specimen. I judge by the appearance of the parts whereon the seta should be seen.—T.B.

### Group—FERONIDÆ.

The following list is intended to facilitate the identification of the species hitherto placed in *Rhytisternus* and *Trichosternus*:—

#### Rhytisternus.

*Metathoracic epimera elongate.*

- R. rugifrons*, Broun.  
*R. erythrognathus*, Broun.

#### Trichosternus.

*Prosternum with setæ at tip.*

- T. antarcticus*, Chaudoir.  
*T. guerinii*, "  
*T. capito*, White.  
*T. sylvius*, Bates.  
*T. temukensis*, "  
*T. aucklandicus*, Broun.  
*T. difformipes*, Bates.  
*T. lobipes*, "  
*T. enysi*, Broun.  
*T. rectangulus*, Chaudoir.  
*T. planiusculus*, White.  
*T. rectalis*, Broun.  
*T. humeralis*, "  
*T. cephalotes*, "  
*T. alternus*, "  
*T. urquharti*, "  
*T. virens*, "  
*T. compressus*, Sharp.  
*T. polychætus*, Broun.

#### Pterostichus.

*Prosternum without setæ.*

- P. dentiferus*, Broun.  
*P. fultoni*, "  
*P. waihoensis*, "  
*P. monticola*, "  
*P. æruginosus*, "  
*P. asperatus*, "  
*P. chloris*, "  
*P. grassator*, "  
*P. amicus* (1464), "  
*P. fusulus*, "  
*P. curvipes*, "  
*P. optabilis* (1634), "  
*P. meritus*, "  
*P. angulatus*, "  
*P. meliusculus* (1637), "  
*P. agriotis*, "  
*P. erraticus*, "  
*P. deceptus* (1640), "  
*P. curtulus*, "  
*P. suspicax*, "  
*P. amplicollis*, "  
*P. sandageri*, "  
*P. helmsi*, Sharp.

#### Zeopœcilus.

*Basal joints of antennæ impressed.*

- Z. putus*, Broun.  
*Z. opulentus* (princeps), "  
*Z. calcaratus*, Sharp.  
*Z. achilles*, "

NOTE.—New names have been given to Nos. 1464, 1634, 1637, and 1640, in case the old ones should be objected to.

#### Rhytisternus.

1773. *R. erythrognathus*, n.s. Black, moderately shining,

head and legs rufo-piceous, the mandibles and basal joint of antennæ dark-red, tarsi and palpi paler.

*Head* with well-marked interantennal impressions; labrum truncate; eyes prominent. *Antennæ* reaching the intermediate femora, the first three joints and the base of the fourth glabrous; third evidently longer than fourth, nearly twice the length of the second. *Thorax* one-fifth broader than long, the sides moderately rounded, somewhat narrowed behind the middle, a little sinuate in front of the rectangular basal angles; basal fossæ narrow and elongate, situated half-way between the middle and the sides, with a feeble impression near the latter; it is nearly smooth; the median channel does not quite reach the base or apex, both of which are subtruncate. *Scutellum* estriate. *Elytra* about one-third broader than the thorax, and double its length, oblong-oval, sinuously narrowed behind; each with five deep, regular, impunctate striæ, the sixth and seventh not so deep, very freely impressed sometimes; there are no scutellar striolæ. There are two setigerous punctures on each side of the last abdominal segment. The *prosternum* is longitudinally striate near the sides.

Like the Australian *R. duella*, but with a larger and broader thorax, rather longer labrum, broader elytral grooves, and more convex interstices. There is, apparently, only one seta on each side of the thorax, placed just before the middle. The coloration, too, is different.

Length,  $5\frac{1}{4}$ ; breadth,  $1\frac{7}{8}$  lines.

Howick. One female.

### Trichosternus.

1774. **T. compressus**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 366.) *Niger*, supra fusco-æneus, limbo anguste viridescente, antennis pedibusque piceis; *prothorace* anterieus minus lato, prope angulos anteriores depresso, angulis posterioribus rectis; *elytris* sat profunde striatis, striis impunctatis.

Long., 21–23mm.

This is one of the allies of *T. sylvius*, Bates, a group of species, or perhaps varieties, very difficult at present to distinguish; it is, however, not so green in colour as *T. sylvius*; the striæ of the *elytra* are almost impunctate, and the *thorax* is rather longer, the basal portion, as shown by the sinuation at the sides, being longer, and the male front *tarsi* considerably less dilated. The hind angles of the *thorax* are not at all directed outwards, and are nearly rectangular, very slightly obtuse; the tooth formed by the basal margin of the wing-case is very distinct. *T. rectangulus*, Chaud., and *T. capito*, White, have the thorax broader at the front margin, and this is also the case with *T. aucklandicus*.

Picton. Helms; a series of ten individuals, showing but little variation.

1775. **T. polychætus**, *n.s.* *Black*, shining, sides and base of thorax tinged with bluish-green, the palpi and front tarsi pitchy-red.

*Head* moderately elongate. *Thorax* nearly one-fourth broader than long, more incurved at the base than it is in front; the sides only moderately rounded, sinuously narrowed behind, posterior angles rectangular, very slightly protuberant; it is a little convex, the basal fossæ are large and situated nearer the sides than the middle; the discoidal groove is well marked, but does not reach the front margin, near which there is an obsolete curvate impression. *Scutellum* striate at base. *Elytra* oblong-oval, humeral angles prominent, apical sinuations long but not abrupt; their striæ well marked, the punctures fine but quite distinct though not very close; interstices a little convex, the third with three or four, the fourth with one (before the middle), and the seventh with about six punctures.

Only two species of *Trichosternus* have been found in Otago as yet, *T. virens* from Oamaru is the other; in it the last abdominal segment of the male has two setigerous punctures on each side of the middle, whereas in *T. polychætus* there are altogether eight or nine in a row, along the posterior margin: this, of itself, distinguishes it from the other *Trichosterni*. The femora are stout, the intermediate rather abruptly contracted near the extremity.

♂. Length, 10; breadth,  $3\frac{3}{4}$  lines.

Taieri. S. W. Fulton; one individual.

### Pterostichus.

1776. **P. sandageri**, *n.s.* *Black*: tibiæ, tarsi, and antennæ nigro-piceous; labrum and mandibles more rufescent, palpi rufopiceous; body oblong, slightly convex, shining.

*Labrum* widely emarginate and setigerous in front. *Head* large, frontal impressions rather shallow; eyes prominent. *Thorax* about one-third broader than long, widest near the middle; the sides moderately rounded, a good deal sinuously narrowed behind, the margins a little reflexed, posterior angles rectangular; the surface finely transversely lineated, median furrow well marked throughout; basal fossæ large, united by a large basal depression; there are also two frontal impressions. *Scutellum* striate at base. *Elytra* rather broader than thorax, very gently rounded laterally, strongly sinuated behind; basal margins broad, humeral angles prominent; they are evidently striate, the striæ are finely punctured, and each has a short scutellar striola; interstices a little convex, the third with three, the fifth with two, the seventh with five punctures. *Legs* simple. Terminal ventral segment broadly raised along the sides, and with four apical setigerous punctures.

This is a large, easily-recognised species, not exactly like any other. It is broader than No. 75; the eyes are prominent, but have no general swelling behind them. The prosternum is without setæ at the tip.

♂. Length, 13; breadth,  $4\frac{1}{4}$  lines.

Puysegur Point. One male from Mr. Sandager, after whom it is named.



**Steropus.**

1777. **S. helmsi**, *n.s.* (Sharp; *Ent. Mon. Mag.*, vol. xx., p. 25.) *Elongatus*, niger, superne plus minusve metallico-tinctus; *prothorace* elongato, posterius angustato, mox ante angulos posteriores sinuato, his rectis, basi utrinque fovea magna, impunctata, impressa; *elytris* ad apicem acuminatis, lateribus curvatis haud parallelis, profunde striatis, striis haud perspicue punctatis, interstitiis absque punctis impressis, ad apicem leviter transversim depressis itaque subundulatis apparent.

Long., 18mm.; lat.,  $6\frac{1}{2}$ –7mm.

Var. femoribus rufis.

This is, so I am informed by Mr. Helms, the only carabideous insect of considerable size that is at all common near Greymouth; it is remarkable that it should not have been detected in other parts of the Islands, especially as it belongs to a subgenus not known before to occur in New Zealand; this subgenus (*Steropus*) is recorded by Chaudoir (*Bull. Mosc.*, 1865, p. 97) as possessing several species in Australia characterized by their elytra being acuminate at the extremity, and possessing some large punctures on the third interstice. *Steropus helmsi* agrees in the former of these respects with the Australian *Steropi*, but has no punctures on the third interstice, so that it should apparently form a separate section in *Steropus*. From all the other New Zealand *Pterostichi* of large or moderate size known to me *S. helmsi* is readily distinguished by its more slender form and the more prolonged apical portion of the elytra. The undulated appearance on the posterior part of the wing-cases is somewhat variable, and the metallic tinting of the upper surface is very variable, and occasionally very slight.

**Zeopœcilus.**

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 365.)

Prosternum without setæ at tip. Basal joint of antennæ impressed and subcarinate.

1778. **Z. calcaratus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 366.) *Niger*, supra fusco-æneus, *prothorace* cupreo-aurato, antennis pedibusque piceis; *elytris* profunde striatis, striis subtiliter punctatis.

Long., 20–22mm.

Mas, elytris nitideis, interstitiis convexis; tibiis posterioribus apice intus calcare acuminato-hamato armatis.

Fem., elytris opacis, interstitiis haud convexis.

*Antennæ* with a depression on the upper face of the basal joint. *Thorax* strongly transverse, with much-rounded sides; these sinuate behind, so as to give rise to a well-marked basal constriction; hind angles rectangular; surface coppery, more golden about the foveæ; these broad, quite impunctate, not touching the lateral margin. *Elytra* with rounded sides, strong humeral denticulation, and very

regular striæ; the interstices of these a little transversely waved on the apical portion. The male has one, the female two, setæ on each side of the hind margin of the last ventral segment. The sexes differ a good deal in the elytral sculpture, as mentioned above.

Picton. Helms; a good series of nearly twenty examples.

1779. *Z. achilles*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 367.) *Niger*, supra fusco-æneus, *prothorace* cupreo-aurato, *antennis* pedibusque piceis; *elytris* elongatis, sat profunde striatis, striis vix perspicue punctatis, interstitiis convexis, postice transversim subimpressis.

Long., 21–23mm.

Mas, tibiis posterioribus apice calcare robusto apice rotundato-hamato armatis; tarsis articulo basale intus dilatato.

*Thorax* strongly transverse, the sides rounded, a good deal narrowed behind; the basal impressions large; the hind angles rectangular, slightly obtuse; the surface coppery, about the foveæ more golden.

This species is closely allied to *Z. calcaratus*, but, so far as the male is concerned, can be readily distinguished by the form of the basal joint of the hind tarsus, and by the broader less acuminate prolongation of the tibia; it has, too, the basal portion of the thorax shorter, and the elytra more elongate and oblong, and these two latter characters will probably permit the discrimination of the females. The latter sex I do not know, but probably it will be extremely similar to *Z. calcaratus* ♀.

Picton. Helms; two male examples.

OBS.—These two species of Dr. Sharp's are closely related to my species Nos. 1330 and 1457. These latter must become *Zeopæcilus putus* (No. 1330) and *Z. princeps* (No. 1457); the name *opulentus* having been used for an Australian Notonomus, *princeps* is substituted.

*Z. putus* is distinguished from Dr. Sharp's two species by the laterally-compressed basal joint of the hind tarsus, which is, moreover, broadly grooved underneath. In *Z. princeps* the same joint is also compressed, but in such a way as to form a sort of ridge along its lower surface. In both these species (Nos. 1330 and 1457) the interstices of the elytra are somewhat uneven or undulate behind.

The genus *Holcaspis* is now abandoned, because of the unreliable character by which Baron Chaudoir proposed to distinguish it from *Pterostichus*.

Dr. Sharp considers the number of tactile setæ on the sides of the thorax a better distinction, and indicates three groups, without, however, giving names to them.

After a careful inspection of all the specimens in my collection, I think it advisable to place the species in four groups, according to the following list, under the older name (*Pterostichus*).

This arrangement is not altogether satisfactory, as the allies of *Trichosternus*, which must remain under the name *Pterostichus*, are not sufficiently distinguished as a series or group from one section

of this list, and, moreover, one group, the first, is made up of species belonging to two subgenera.

As regards the setæ, I may state that careful discrimination is necessary, as is the case with the subgenus *Trichosternus*, owing to their liability of removal in the process of cleaning.

*Thorax with two setæ on each side.*

<i>P. prolixus</i> , Broun.	<i>P. mordax</i> , Broun.
<i>P. integratus</i> , Bates.	<i>P. longiformis</i> , Sharp.
<i>P. cavelli</i> , Broun.	<i>P. sternalis</i> , Broun.
<i>P. procerulus</i> , Broun.	<i>P. oscillator</i> , Sharp.
<i>P. ovatellus</i> , Chaudoir.	<i>P. perfidiosus</i> , Broun.
<i>P. placidulus</i> , Broun.	<i>P. hunuensis</i> , "
<i>P. impiger</i> , "	<i>P. maorinus</i> , Bates.
<i>P. minor</i> , "	

*Thorax with three setæ on each side.*

*P. elongellus*, White.

*Thorax with four setæ on each side.*

<i>P. hispidulus</i> , Broun.	<i>P. detractus</i> , Broun.
<i>P. cribralis</i> , "	<i>P. subæneus</i> , Guern.
<i>P. myrmidon</i> , Sharp.	<i>P. ædicnemus</i> , Bates.
<i>P. hybridus</i> , Broun.	<i>P. pastoricius</i> , Broun.
<i>P. præcox</i> , "	<i>P. inconstans</i> , "
<i>P. brounianus</i> , Sharp.	<i>P. egmontensis</i> , "
<i>P. constrictellus</i> , "	<i>P. irregularis</i> , "

*Doubtful.*

<i>P. angustulus</i> , Chaudoir.	<i>P. politissima</i> , White.
<i>P. sylvaticus</i> , "	<i>P. pellax</i> , Broun.
<i>P. vigil</i> , White.	

*Thorax with five or six setæ on each side.*

<i>P. catenulatus</i> , Broun.	<i>P. insidiosus</i> , Broun.
<i>P. mucronatus</i> , "	

### Pterostichus.

1780. **P. cavelli**, *n.s.* *Elongate*, slightly convex; black, occasionally tinged with red; palpi pitchy-red.

*Thorax* widest near the middle, as broad as long, much narrowed behind, and distinctly sinuate before the acute, rectangular posterior angles; apex emarginate; basal fossæ large and elongate, medial groove sometimes abbreviated, the disc faintly transversely striate. *Scutellum* striate at base. *Elytra* elongate, curved laterally, apices rounded; their striæ well developed and finely punctured. Two lateral thoracic setæ.

Although *P. helmsi* is very similar, according to description, this species differs therefrom in having the elytral grooves distinctly yet finely punctated; the elytra are not at all acuminate, being, in fact, rather broad behind; the interstices have feeble impressions across them.

Length,  $9\frac{1}{2}$ ; breadth, 3 lines.

Boatman's, near Reefton. It affords me pleasure to attach the name of its discoverer (Mr. A. T. Cavell) to this species.

1781. **P. longiformis**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 369.) *Minor*, angustulus subparallelus nigro-piceus,



nitidus, antennis pedibusque piceo-rufis; *prothorace* elongato, basi utrinque bifoveolato, angulis posterioribus rectis; *elytris* oblongis, regulariter profunde striatis, striis impunctatis. *Scutello* basi striato.

Long., 11mm.

A distinct species belonging to the group with only two lateral thoracic setæ, and probably allied to *P. sylvaticus*. The *thorax* is elongate, the length being five-sixths of the width. The sides are very gently sinuate behind, the external angles being rectangular, quite minutely prominent externally. The two basal foveæ on each side are shallow and indefinite, the outer one small. The striæ on the base of the *scutellum* are deep and definite; the *elytra* are narrow, parallel, flat, with slight humeral denticle, and very regular, deep striation, the striæ being simple. In the male the hind *femora* are much swollen, and are angular in the middle. There is only one puncture on each side of the last ventral segment. The female is unknown.

This appears to be allied to *P. angustulus*, Chaud. (*elongatus*, Blanchd.), as well as to *P. sylvaticus*, Chaud., but does not sufficiently agree with either description.

Christchurch, Wakefield. A single example.

1782. **P. ovatellus**, Chaudoir. (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 370.) *Nigerrimus*, femoribus piceis; *prothorace* evidenter transverso, basi utrinque unifoveolato, angulis posterioribus subrotundatis; *elytris* profunde fortiterque striatis, striis punctatis, interstitio tertio bi- vel tri-punctato. *Scutello* basi striato.

Long., 17mm.

This is a peculiar species, with *thorax* only three-fourths of its width in length; a single deep fovea on each side the thorax, without any trace of external plication; only two lateral setæ on the thorax. The *elytral* striæ very deep, and with two or three punctures (placed variably and irregularly) on the third interstice, and the shoulder and basal margin of the *elytra* formed as in *P. constrictellus* and *elongellus*. It quite agrees with these two species in appearance, but departs greatly from them by the number of the thoracic setæ, and by the interstitial punctures on the wing-case. The male has the front *tarsi* much dilated, the hind *femora* a little thickened in the middle, but not angular, and two punctures on each side of the hind margin of the last ventral segment.

New Zealand. Castelnau. Chaudoir was not acquainted with the male, and I have not seen the female. Chaudoir's examples, like my own, came from Castelnau, and I feel little doubt of the correct identification.

1782. **P. brounianus**, n.s. (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 367.) *Robustus*, niger, antennis pedibusque piceis; *prothoracis* lateribus rotundatis, angulis posterioribus valde obtusis; *elytris* profunde striatis, striis vix punctatis, hic inde parum conspicue interruptis. *Scutello* basi minus argute plicato.

Long., 19-20mm.

This species, belonging to the group with four setæ on each side of the *thorax*, is distinguished by the unusually great curvation of the sides of the thorax, and the very obtuse hind angles, as well as by the large size. There is no denticulation of the humeral angles, and the striation of the *elytra* is deep, so that the interstices are distinctly convex; the indistinct punctures of the striæ are less close than usual, and the striæ are only vaguely and indistinctly interrupted. There is a simple deep fovea on each side of the thorax at the base, distant from the lateral margin. The male has the hind *femora* angularly dilated in the middle, and only a single seta on each side of the hind margin of the last segment, whereas in the female there are two setæ on each side.

I have named this species in honour of Captain Thomas Broun, who has rendered great service to entomology by the discovery of a great number of New Zealand insects whose existence was previously unsuspected.

Picton. Helms; a good series.

1783. **P. myrmidon**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 368.) *Elongatus*, supra subplanatus niger, antennis tarsisque piceis; *prothorace* vix transverso, angulis posterioribus argutis fere rectis; *elytris* striatis, striis ubique a basi ad apicem interruptis. *Scutello* basi striato.

Long., 16–17mm.

This species is very different from the others of the group with four thoracic setæ, the thorax being more quadrate, and the general outline more parallel. The *thorax* is but little curvate, and is slightly narrowed behind, but its outline is only very slightly sinuous. There is an extremely minute projection outwards of the hind angle itself, so that the angles, which, except for this, would be slightly obtuse, are almost rectangular. The surface is feebly transversely rugose; the basal foveæ are large and deep, distant from the sides; and between each and the outside there is at the base a distinct plication. The striation of the *elytra* is interrupted throughout in a very distinct and almost regular manner. The hind *femora* of the male are much swollen in the middle, so as to form an angular prominence; they are also very broad in the female, but in this sex the prominence does not form an angle. In each sex there are two punctures on each side of the middle of the hind margin of the last ventral plate.

I have little doubt that *Holcaspis cribralis*, Broun, is allied to this species, but it is described as possessing a rugose head, and a more remarkable development of the peculiar sculpture of the *elytra*. *P. myrmidon* bears a considerable resemblance in size, form, and sculpture to *P. cribratus*, Dej., found on Monte Rosa, in Europe. *Holcaspis hispidulus*, Broun, no doubt pertains also to this group, as shown by the number of thoracic setæ mentioned in his description. It has apparently a very different sculpture of feeble abbreviate striæ.

Picton. Helms; a good series.



1784. **P. constrictellus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 368.) *Angustulus*, niger, antennis tarsisque piceis; *prothorace* posterius angustato, angulis posterioribus obtusis; *elytris* striatis, striis punctatis. Scutello basi striato.

Long., 11–12mm.

*Thorax* a good deal broader than long, the sides a little curved, considerably narrowed behind, so that the base is evidently a little narrower than the front margin, without the least sinuation at the sides, so that the hind angles are obtuse; the basal foveæ deep, distant from the sides. *Elytra* narrow, without humeral denticle, the striæ regular, rather deep, closely and regularly punctate, not interrupted; the interstices in the male rather more convex than in the female. In the male the hind *femora* are a little dilated in the middle, so as to form an obtuse prominence, not an angle; in each sex there are two punctures on each side of the hind margin of the last ventral ring.

The individuals of this species are the smallest I am acquainted with of the group having four lateral tactile setæ to the thorax. *P. subanea*, Guer., Bates, is very similar, but has the sides of the thorax sinuate behind, and the striation coarser and less regular. This is the species treated by Bates as the *F. elongella*, White, and it is indeed so similar thereto that I also myself, previously to noting the difference in the thoracic setæ, considered it a small variety thereof; hence my remarks in *New Zealand Journal of Science*, 1884, p. 298, on White's *Feronia elongella* require correction as regards the occurrence of *F. elongella* at Christchurch; it being *P. constrictellus* that has been found there. *F. elongella* has the peculiarity—unique, so far as I know, among the New Zealand species—of possessing three lateral thoracic setæ, one at the hind angle, one a little behind the front angle, and one just about the middle.

Christchurch, Wakefield: Helms. Greymouth: Helms. One example from each source.

1785. **P. pastoricius**, *n.s.* *Elongate*, slightly convex, very glossy black; legs and antennæ rufo-piceous; front tarsi, and the palpi, pitchy-red.

*Head* nearly smooth, frontal impressions narrow. *Thorax* hardly any broader than long, its sides slightly rounded, gradually narrowed behind the middle, basal angles very slightly prominent, rectangular; dorsal groove a little expanded near the extremities, barely reaching the apex, basal fossæ distinctly duplicate, the transverse waved discoidal impressions rather vague. *Scutellum* multistriate at base. *Elytra* nearly twice as long as broad, the shoulders slightly dentiform, apical sinuosities rather abrupt; each with seven series of elongate impressions (exclusive of the marginal punctiform impressions), often with small ones interposed, all more or less connected by fine striæ, the sculpture becoming more irregular behind; the interstices are plane. *Femora* rather short and stout, the posterior distinctly angulated beyond the middle, the space between that



point and the base hollowed for the accommodation of the elongate trochanters; hind *tibiæ* curvate, with long terminal spurs, gradually dilated; the intermediate *tibiæ* distinctly dilated near the extremity along the front or lower face. In both sexes there are two punctures at each side of the last ventral segment. Four thoracic setæ at each side.

Fem. Legs more slender, though similar in form; the thorax less narrowed behind, and only feebly rounded laterally.

*P. cribralis* is larger, and there is only one basal fossa at each side. *P. ædicnemus* is the nearest ally.

\*Length,  $7\frac{1}{2}$ ; breadth,  $2\frac{1}{2}$  lines.

Wangapeka Valley. Mr. T. F. Cheeseman was kind enough to bring me a pair which he found there.

1786. **P. oscillator**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 369.) *Nigerrimus*, *antennis* extrorsum *tarsisque* piceis; *antennis* gracilibus, *oculis* convexis; *prothorace* basi utrinque fovea elongata lineare, *angulis* posterioribus exacte rectis; *elytris* regulariter sat profunde striatis, *striis* fere impunctatis, *interstitio* tertio bi- vel tri-punctato. *Scutello* lævigato.

Long., 13mm.

*Antennæ* slender, with the fourth joint rather longer than the third. *Head* short, with prominent eyes, and with two foveæ near the front. *Thorax* flat, about one-fourth broader than long, the sides a little narrowed, and slightly sinuate behind; the central channel deep, extending from base to the front margin, half-way between it and the side with an elongate channel-like fovea. *Elytra* with slightly-rounded shoulders, destitute of denticle, the striation regular and rather deep, with two or three large punctures placed on the third interstice touching the third stria. The male has the hind femora simple, and one seta on each side of the last ventral segment.

This is, no doubt, allied to *Haptoderus maorinus*, Bates, which, however, is only 7mm. or 8mm. long, and is almost destitute of frontal impressions. Although, no doubt, the type of a distinct group or subgenus of New Zealand *Pterostichi*, I somewhat doubt the propriety of associating this insect with the European *Haptodermi*, though no doubt the structural characters of the New Zealand and European species, so far as yet observed, are very similar. The *labrum* in the New Zealand insects is very short and broad, the *mandibles* short and stout, smooth, not striate above, the left one with slender and elongate incurved apex, the fourth joint of *antennæ* longer than the third, the *thorax* with a front margin, two lateral setæ, and the *scutellum* estriate.

Dunedin and Otago. Sent by Professor Hutton in 1876 and 1877; two male examples.

1787. **P. perfidiosus**, *n.s.* *Shining*, black; legs pitchy-black, *tarsi* rufo-piceous; *mandibles* rufescent, as are the first four joints of the *antennæ* at the base.

*Head* much narrowed behind the prominent eyes, longitudinally wrinkled at the sides, transversely behind, the space near the back of each eye rather densely rugose; the frontal impressions well marked, as is a puncture near each mandible; labrum broad, widely incurved. *Thorax* about one-fourth broader than long, rather more deeply incurved at the base than it is in front; the sides well rounded before the middle, sinuously narrowed behind, posterior angles rectangular; median groove deep, extending from base to apex, basal fossæ elongate, narrow, and deep, situated half-way between the middle and the sides; there are also a few feeble transverse impressions, and a shallow rounded one near each eye. *Scutellum* slightly striate at the base. *Elytra* oblong, slightly curvate laterally, feebly sinuate behind; rather deeply and regularly striate, the striæ indistinctly punctured; interstices but little convex, the third rather broader than the others, with three punctures on the outer edge; shoulders without denticle. *Femora* simple, the hind pair not angulated underneath.

*P. sternalis* is the species most nearly resembling this, which has the head differently sculptured; its thorax is not quite as flat, being more convex in front; the elytral striæ are a little deeper; there are no oblique scutellar striæ. Dr. Sharp's *P. oscillator* is another near ally; in *P. perfidiosus* both mandibles are slender and acute at the extremity; and the fourth antennal joint is not perceptibly longer than the third.

♂. Length,  $5\frac{1}{2}$ ; breadth, 2 lines.

Dunedin (Flagstaff Hill). One male, found by Mr. T. Chalmer.

1788. ***P. hunuensis***, *n.s.* Black, shining; tarsi, antennæ, and mandibles rufo-piceous.

*Head* constricted behind; eyes very prominent; apex of left mandible more curvate than its fellow; labrum truncate in front. *Thorax* somewhat flattened above, only slightly broader than long, moderately rounded laterally, almost as much narrowed in front as it is behind, with a slight sinuosity near the base, posterior angles rectangular, apex subtruncate, the base medially incurved; dorsal furrow deep, extending from the base and almost touching the front margin; basal fossæ long, narrow, and deep, as far from the sides as they are from the middle. Some feeble striæ in front of *scutellum*. *Elytra* deeply and regularly striate, the striæ moderately closely, distinctly, but not coarsely, punctured; the third interstice with one large puncture behind extending across the third stria.

Another ally of *P. sternalis*. The humeral angles are very slightly prominent; elytral striæ rather deeper and broader, with very distinct and regular punctures, without scutellar striolæ; the thorax oviform; the eyes even more convex.

Length, 6; breadth, 2 lines.

Described from a female found in the Hunua, near Papakura.

1789. ***P. detractus***, *n.s.* Shining, black, antennæ and tarsi piceous.



*Head* nearly smooth, with the usual impressions; labrum subtruncate, rather short; eyes moderately prominent. *Thorax* rather short, about one-third broader than long, its sides almost regularly rounded, rather narrower behind than in front, posterior angles quite obtuse, apex subtruncate, base incurved; dorsal groove not deep, not reaching the base or apex; basal fossæ rather large, placed nearer to the sides than to the middle; it is slightly convex, and not smooth, there being a round impression in front of each of the fossæ, besides some others, all shallow however, on the disc. *Scutellum* striate at base. *Elytra* with moderately-rounded sides, rather strongly sinuated apically, shoulders without projections; the striæ irregular, not deep, more or less interrupted behind the middle, the surface there indistinctly waved, the punctuation ill-defined, never coarse, sometimes narrow and elongate, in the female more regular and distinct. *Legs* robust, all the femora inflated, the posterior angulate below; tibiæ thick; front tarsi strongly dilated. *Abdomen* with four punctures on the apical segment.

Thoracic setæ in my three males rubbed off; but in a headless female, the only one I have seen, I can detect four on one side.

♂. Length, 6; breadth,  $1\frac{7}{8}$  lines.

Castle Hill, Canterbury. Mr. J. D. Enys collected the three males and one female.

1790. *P. egmontensis*, *n.s.* *Subparallel*, slightly convex; glossy-black; antennæ, tarsi, and palpi rufo-piceous, tips of the terminal joints of these last ferrugineous.

A careful comparison with the male of No. 1335 (*P. cribralis*) results in the following differences being observed:—

*P. egmontensis* is smaller, the trophii and tarsi are much darker; the *legs* are shorter, notably the posterior; intermediate *tibiæ* obtusely prominent or swollen along the lower half of their front or inner face (as is also the case in No. 1335), but less denticulate or asperate, only feebly indeed, and with more spiniform setæ on the external face. *Thorax* more quadrate ( $2\frac{1}{4}$  lines broad, 2 long; No. 1335 measures  $2\frac{3}{4} \times 2\frac{1}{2}$  lines), slightly rounded near the front, the sides beyond very gradually narrowed and slightly curvate, and a little sinuate towards the basal angles, which are quite rectangular, and sometimes just perceptibly projecting. In No. 1335 the sides are gently but regularly rounded, so that there is no apparent sinuation behind. The superficial sculpture is similar in both, on the head as well as the thorax, the rugosities or aciculate marks being distinct or obsolete, but some slight notches can be seen before the posterior angles on the margins which are absent in No. 1335. *Elytra* shorter ( $4\frac{1}{2} \times 2\frac{5}{8}$ ; in No. 1335,  $5\frac{1}{4} \times 3\frac{1}{8}$  lines), less narrowed towards the prominent shoulders; there is a short scutellar stria; the seven dorsal striæ are more deeply impressed, and, when interrupted, as most of them are, consist of about double the number of depressions or punctures; the sutural three reach the apex, all reach the base; the third, fifth, and seventh interstices are very slightly wider than the others, the broad lateral one between the seventh



and marginal striæ is rather more convex than in No. 1335. *Abdomen* with two setigerous punctures near each side of the last segment in both sexes (No. 1335 is the same). In both species there are four ferruginous hairs or tactile *setæ* on each side of the thorax, three before the middle and one on the hind angle. The posterior *femora*, though very thick and angulate below, are not dentate as in No. 80, which, moreover, has the greatest width of the thorax at the middle, instead of near the front as in the present species.

♂. Length,  $8\frac{1}{4}$ ; breadth,  $2\frac{5}{8}$  lines.

Mount Egmont. Found four or five years ago. Mr. A. T. Urquhart also brought some specimens in February, 1890. The scutellum is striate at the base.

1791. ***P. irregularis***, *n.s.* *Subparallel*, nearly plane above; with a somewhat silky gloss, black; legs and antennæ pitchy-red.

*Head* rather narrow and elongate, finely but distinctly and irregularly wrinkled; labrum incurved in front. *Thorax* rather elongate, the length and breadth exactly the same, slightly convex, apex subtruncate, base medially incurved; its sides very little rounded, almost straight behind, without any sinuosity there; posterior angles rectangular, not acute, the anterior depressed; the surface finely, distinctly, transversely wrinkled, with a few short longitudinal striæ in front and behind, more feebly impressed than the others however; dorsal sulcus unusually broad and deep, expanded behind, not reaching base or apex; basal fossæ elongate (intervening space depressed), with a second smaller, but obvious, one near each angle. *Elytra* wider behind than in front, humeral angles prominent, their sides but little curved; each elytron has seven rows of irregular, rather deep impressions, a few quite small and round, the majority long and rather broad, all distinctly separated from one another by intervals on about the same level as the longitudinal interstices; marginal sculpture also irregular.

Male. Posterior *femora* much swollen, deeply hollowed for the reception of the trochanters, so as to be quite acutely angulated below; intermediate *tibiæ* somewhat distended inwardly near the extremity; front *tarsi* furnished beneath with rather coarse, elongate, ferruginous hairs, in addition to the ordinary sponge-like vestiture.

This is a very handsome, peculiarly sculptured species. The thorax is narrower and more depressed in front than is the case with its allies, *P. cribralis*, *P. egmontensis*, *P. myrmidon*, and others like them. The elytral striæ, if I may so call their series of large depressions, are unusually interrupted. The wrinkles on the head and thorax are quite obvious, and the head itself is narrower than usual. The prosternal process, and the metasternum, are distinctly channelled longitudinally, and the abdominal process is acutely prolonged forwards, being similar in these respects to *P. cribralis*. The hind-body is rather flat, and at each side of the scutellum there is an oblique depression.

Thorax with four tactile setæ at each side.

Thorax with two fossæ at each side, at the base.

Scutellum striate at base.

Abdomen with four setæ on apical ventral segment.

Length, 9 lines; breadth,  $2\frac{7}{8}$  lines.

Boatman's, near Reefton. Mr. A. T. Cavell is the discoverer.

1792. **P. insidiosus**, *n.s.* *Elongate*, subparallel, slightly convex; glossy-black; tarsi nigro-piceous.

Allied to *P. catenulatus*. The *labrum* not deeply emarginate as it is in that species. *Head* more constricted behind the eyes, not wrinkled. *Thorax* of similar proportions, one-eighth broader than long; more narrowed behind than in front, only a little curvate laterally, without any sinuation behind; base medially incurved, slightly rounded towards the angles, so that these are ill-defined; lateral margins and channels narrower than in No. 1335; disc obsoletely striate; dorsal groove distinct, not quite reaching the front margin, expanded near the extremities; basal fossæ large, about midway from the sides and middle. *Scutellum* deeply striate at base. *Elytra* nearly twice as long as broad, shoulders only slightly prominent, their sides a little rounded, the posterior narrowing rather abrupt, more so than in No. 1336; they are moderately punctate-striate, with scutellar striæ; interstices not wrinkled transversely, the third, fourth, and sixth with two or three punctiform impressions; these are not, however, regular; the sculpture appears a little irregular, and becomes more confused behind, where the punctuation is obsolete. *Legs* rather short and thick; posterior femora subangulate below. *Underside* shining; the head and prothorax without the fine rugose sculpture of *P. catenulatus*. *Abdomen* with two punctures on each side of the hind margin. Thorax with fine setæ on each side, one on the basal angle, the others about equidistant from each other and extending from the front to just behind the middle.

♂. Length,  $7-7\frac{1}{4}$ ; breadth,  $2-2\frac{1}{8}$  lines.

Invercargill. Mr. T. Chalmers; two males.

1793. **P. inconstans**, *n.s.* *Elongate*, subparallel, slightly convex, glossy-black, femora rufescent.

This species is very much like *P. insidiosus*; the *thighs* are red; the *thorax* is exactly as long as broad, with four lateral setæ on each side, and there is an evident curved impression near the front; *scutellum* not striate, yet not quite smooth; *elytra* with finely punctured striæ, not always regular, the third interstice on one elytron, and the sixth on the other, with slight catenulate sculpture; *labrum* distinctly emarginate; *abdomen* with four punctures along the posterior margin.

♂. Length, 7; breadth,  $2\frac{1}{8}$  lines.

Invercargill. Mr. Chalmer; one male.

## Group—ANISODACTYLIDÆ.

## Lecanomerus.

1794. *L. marginatus*, n.s. (Sharp; *Ent. Mon. Mag.*, vol. xx., p. 25.) *Ovatus*, nigricans; palpis, pedibus, elytrorumque margine externo testaceis; antennis, tibiarum apice, tarsisque fuscis, illis basi testaceo; corpore subtus variegato; *prothorace* transverso, posterius angustato, basi lævigato vix impresso; *elytris* sat profunde striatis, striis haud punctatis.

Long., 6mm.

This species is distinguished from the other New Zealand *Lecanomeri* by the more variegate surface, in which respect it resembles the New Caledonian *Acupalpus domesticus* (a species which should also be referred to the genus *Lecanomerus*). The *antennæ* are rather stout, and the basal joint clear yellow; the raised margin of the *prothorax* is yellowish, as is also the scutellum, and the same colour forms a broad definite border of variable width along the sides of the elytra; on the under-surface the head and the hind coxæ are yellow, and the ventral segments are maculate at the sides. The dilatation of the male *tarsi* is moderate, the fourth joint being not very short and broad.

This species occurs at Auckland, where it has been found by Messrs. Broun and Lawson: it is probable that Captain Broun's record of the occurrence of *L. latimanus* at Tairua and Whangarei refers rather to this species; Mr. Bates, having at first supposed the *L. marginatus* to be a variety of *L. latimanus*, so named specimens, and thus the error has arisen.

## Group—ZOLINI.

## Zolus.

Nov. gen.

(Sharp; *Trans. Roy. Dub. Soc.*, 1886.)

The insect for which this generic name is proposed has peculiar characters, so that its position and affinities cannot be determined with precision at present, and must be a subject for future discussion; meanwhile it may be treated as forming a distinct group, which will perhaps be best placed near the *Zabrini*, and will be called *Zolini*.

The *size* is rather small, and the appearance that of the smaller *Pterostichi*, such as *Haptoderus* or *Argutor*. The base of the thorax is very closely adapted to the base of the elytra, which it overlaps. The basal joint of the front *tarsus* in the male is large, and its front side is produced so as to form an angle and make the joint unsymmetrical in form. The second joint is much smaller than the first, but is similarly formed; the third and fourth joints being small and symmetrical in form. The under-surface of the two dilated joints bears fine elongate hairs, and the anterior side (*i.e.*, the side most produced) bears also papery-like squamæ; the middle tarsi are simple, as also are the claws. There is only one orbital seta. The



*mentum* and *ligula* are of ordinary *Pterostichoid* form, the former with a strong tooth in the middle, the latter slightly acuminate in the middle, with small *paraglossa* projecting beyond it on each side. The second joint of the labial *palpus* is very feebly bisetose, the terminal joint about as long as the second; rather slender acuminate. The *maxillary* lobes are not very long, and are of very ordinary form; the corresponding palpi are not stout; the second and third joints subequal in length; the third broadest at its apex, where it is rather closely connected with the terminal joint, which is slender and acuminate, scarcely so long as the third joint. The *mandibles* are short, and the right one is very obviously armed with a single tooth in the middle, and there is a feeble external seta. The *labrum* is transverse, with straight front margin, bearing six setæ. The *thorax* is well margined at the sides, and is destitute of tactile setæ. The *scutellum* is visible, and its broad short extremity penetrates between the basal margins of the wing-cases. The *elytra* have no erect setæ, and no larger lateral punctures, except that near the base there are close to the side margin three or four feeble punctures bearing very feeble setæ. The *elytra* are not in the least truncate, only feebly sinuate near the extremity, and at the point of sinuation the thin edge is traversed by an oblique groove. There are no wings, but the *elytra* are not soldered. The *prosternal process* is short and bent upwards. The *mesosternal epimera* are quite slender, well separated from the coxal cavities; the *metasternum* small, with short, broad episterna; the hind coxæ contiguous; the ambulatorial setæ of the ventral segments feeble.

It will be seen from the above characters that this insect departs from the *Pterostichini* by the important characters of the form and condition of the male tarsi, and by there being but one orbital seta. I have not yet alluded to the condition of the *antennæ*, because these are in a singularly doubtful condition as to the pubescence of the basal joints: the first is free from pubescence; the rather elongate second joint is scantily pubescent on the apical part; the third joint is very elongate, and is glabrous at the base, pubescent elsewhere, the following joints being closely pubescent; thus the second and third joints show a gradual transition from the glabrous to the pubescent condition. The form of the male tarsus is an affinity with *Pogonus*. The position in the New Zealand catalogue will be between the *Pterostichini* and *Harpalini*. It should be remarked that in this genus the mandibular seta is of little importance; always very feeble, it appears to be occasionally entirely absent from one or the other mandible.

1795. **Z. helmsi**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 372.) *Piceo-castaneus*, *antennis rufis*, *pedibus castaneis*; *prothorace anterieus fortiter rotundato*, *basi truncato*, *ante basin punctato*, *utrinque prope latus argute plicato*; *elytris profunde striatis*, *utrinque versus apicem plica elevata*, *interstitio tertio obsolete tripunctato*.

Long., 8mm.

The *head* is quite short, deeply impressed on each side between the eyes, which are rather large. The *antennæ* are slender and rather long, each joint being much longer than broad, and the second joint about as long as the basal. The *thorax* is not much broader than long, with rectangular hind angles, and broader at the base than at the front margin. Very near the lateral margin at the base there is a very distinct straight plica; and within this plica the surface is depressed, uneven, and punctate, the punctuation not quite reaching the plica itself. The median channel does not reach the front, but extends to the base, though indistinct behind, owing to the sculpture there. The striation of the *elytra* is regular, and there is a stria near the scutellum. The striae are not punctate, the interstices are flat, the plication behind very distinct. The first of the three punctures on the third interstice is placed as far forward as the termination of the scutellar stria, the second as far behind it as it is from the base, while the third is remote, placed at about two-thirds of the length.

Greymouth. Helms. I have much pleasure in connecting Mr. Helms's name with this interesting form. Some years ago I received a specimen from him which I could do nothing with, as it was a female; after waiting a long time he has been able to send me the male.

1796. **Z. atratus**, *n.s.* Body black, elytral margins slightly rufescent; legs, palpi, and antennæ dark-red; moderately shining.

The elytral striae are finely punctate, the three punctures on the third interstice are about equidistant, and there are as many punctures on the posterior portion of the side of each wing-case as there are near the shoulder.

These characters distinguish this from the typical species.

The form, and other details of sculpture, are similar to No. 1339, so that I need not redescribe them. That insect, referred provisionally to *Oöpterus*, must be placed with the preceding species so as to become *Zolus carinatus*. The wings of the *mentum* are large and prominent, but the tooth is small. There are, too, three or four lateral punctures on each elytron behind. The fourth antennal joint is as long as the third, and its basal portion is glabrous underneath.

Length, 4; breadth, 1½ lines.

I found one female under a stone, in the bed of a stream, just below the snow-line on Mount Egmont.

## Group—POGONIDÆ.

### *Oöpterus* (Gen., p. 54).

1797. **O. collaris**, *n.s.* Shining, pitchy-black; legs, antennæ, palpi, and elytral margins rufous.

*Prothorax* moderately convex, almost as long as broad, widest at the middle, its sides but little rounded, and having only a short and slight sinuation in front of the rectangular posterior angles; central

groove distinct, basal fossæ large and separated from the lateral margins by carinæ, the whole basal region more or less finely punctured. *Elytra* much broader than thorax, oviform, widely margined, a little convex; feebly punctate-striate, the sutural sculpture most obvious, the lateral obsolete; interstices plane, the third with three setigerous punctures.

Similar in size to *O. levicollis* and *O. fulvipes*, differentiated from the former by having three instead of four interstitial punctures, &c., and from the latter in having a decidedly longer and narrower thorax, which is not broadest before the middle, whilst the sides of the wing-cases are less strongly rounded, and, consequently, of more oblong form. There are some elongate slender setæ or hairs similar to those near the eyes and hind angles of thorax along the sides of the hind-body, but the ones in the interstitial punctures are minute.

Length,  $2\frac{1}{2}$ ; breadth, nearly  $1\frac{1}{8}$  lines.

1798. *O. pallidipes*, *n.s.* *Convex*, glossy rufo-fuscous, sides and apex of hind-body paler, femora pale-yellow; tibiæ, palpi, and antennæ testaceous.

*Head* uneven, the space between the ocular groove and frontal fovea rather flat, and with a distinct setigerous puncture. *Prothorax* rather small, transverse, widest at the middle, its sides well rounded and sinuously narrowed posteriorly, but with a short space in front of the hind angles quite straight, so that these latter, though rectangular, appear unusually conspicuous; disc convex, with a fine channel down the middle, two more or less evident curved frontal impressions, and with the basal fossæ very near the angles, so that there is only a fine raised line between them and the side rims; there are three or four punctiform impressions near the base, but no close punctuation. *Elytra* convex, quite oval, rather large, punctate-striate, the striæ rather broader and the punctures rather larger than usual, but not very regularly impressed; the common posterior carinæ present but not strongly developed; interstices convex, without obvious punctures, though indications of three may be seen.

This is the smallest species known to me. It is distinguished by the form and sculpture of the thorax, and by the unusually convex hind-body, which is, moreover, considerably contracted towards the base and apex.

Length, 2 lines; breadth,  $\frac{7}{8}$  line.

## Tarastethus.

*Nov. gen.*

(Sharp; *Ent. Mon. Mag.*, vol. xx., p. 23, 1883.)

*Form* short and convex, surface glabrous. Mesothoracic epimera linear, not reaching the coxæ. *Head* with two ocular setæ on each side; scrobe with an exserted seta in front. *Metasternum* excessively short, so that the middle coxæ almost touch the hind ones. *Antennæ* with the three basal joints glabrous, the others pubescent, but not densely so, so that there is not a very abrupt contrast



between the glabrous and the pubescent joints. *Elytra* not at all truncate; with a slight sinuation near the extremity. Last joint of maxillary *palpus* longer and rather stouter than the preceding joint, narrowed towards the extremity and acuminate. Second joint of labial palpi short and stout, minutely bisetose; *mentum* with large acute tooth in the middle. Male anterior *tarsi* with the two basal joints a little dilated, their inner angles a little produced and acute, squamæ very obscure. *Prothorax* with a single lateral seta on the side at the middle, and a minute one at the hind angles, none in front; base truncate, reposing on the base of the *elytra*, which possesses a well-marked margin.

This genus of small *Carabidæ* is allied to *Cyclothorax*, from which it differs by the convex form, the remarkably abbreviate metasternum, and by the structure of the male *tarsi*; the condition of these feet I am not, however, able to ascertain very thoroughly.

1799. **T. puncticollis**, *n.s.* (Sharp; *Ent. Mon. Mag.*, vol. xx., p. 24.) *Nigro-piceus*, nitidus; antennis, palpis, pedibusque testaceis; *prothorace* lateribus sinuatis, basi truncato, utrinque impresso, et crebre punctato, angulis posterioribus fere rectis; *elytris* profunde striatis, striis fortiter punctatis, interstitiis parum convexis lævigatis; *abdomine* utrinque fortiter punctato.

Long., 5mm.

*Thorax* narrower than the *elytra*, about as long as broad, with an elongate channel along the middle, with an impression at the base on each side nearly equidistant from the middle and the outer margin; the whole of the base punctate, the disc nearly impunctate. *Elytra* short and broad, convex, the shoulders much curved, the eighth interstice elevated at the extremity so as to form a plica.

I received a specimen found at Greymouth formerly from Herr Reitter, and have now received the insect from Mr. Helms. I have not, however, seen the male.

1800. **T. læviventris**, *n.s.* (Sharp; *Ent. Mon. Mag.*, vol. xx., p. 24.) *Nigro-piceus*, nitidus; antennis, palpis, pedibusque testaceis; *prothorace* lateribus sinuatis, basi truncato, utrinque bi-impresso, fere lævigato; *elytris* interne striatis, striis remote punctatis; *abdomine* lævigato.

Long., 5mm.

This species differs from *T. puncticollis* in numerous respects; the *thorax* is less sinuate at the sides, and is almost without punctuation, there being only about four or five punctures on each side about the middle of the base; the basal impression is differently formed, so that, viewed in a certain manner, there appears to be a second impression near the outer margin; the outer striæ of the *elytra* are quite obsolete, but the eighth interstice forms an elevated plica at the extremity.

It is from this insect that my description of the male tarsus in the generic description is taken; one of the front legs, however,

being gone, I am not very sure about the details: there is no seta in this species at the hind angle of the thorax.

Also sent by Mr. Helms from Greymouth.

1801. **T. alpinalis**, *n.s.* *Convex*, subovate; pitchy-black, nitid; palpi, antennæ, and legs rufo-testaceous.

*Head* with broad, shallow, frontal foveæ, and, at inner side of each eye, a well-marked narrow channel. *Antennæ* as long as head and thorax, bearing slender yellow setæ and pubescence, their three basal joints glabrous. *Prothorax* about as long as broad, narrower than elytra, rounded laterally, and distinctly sinuated before the rectangular posterior angles, narrower in front than behind; disc smooth, canaliculate, the whole base more or less depressed and punctate, the fossæ large and equidistant from the middle and sides, the space (small) at each hind angle depressed and punctate. *Elytra* longer than broad, convex, their sides strongly margined and well rounded; distinctly punctate-striate, the punctures large, the striæ obsolete near the base, interstices smooth and convex, the eighth carinate behind.

Agrees in most respects with the description of *T. læviventris*, but the whole base of the thorax is more or less punctate, and the external elytral striæ are about as obvious as the others. The terminal articulation of the labial palpus is stout, and very abruptly truncate at the extremity. The setæ on the hind angles of the thorax are distinct, and there are others on the wing-cases.

1802. **T. debilis**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 373.) *Piceus*, antennæ pedibusque testaceis; *prothorace* basi punctato, angulis posterioribus minute prominulis, subobtusis; *elytris* sat profunde striatis, striis subcrenato-punctatis.

Long.,  $4\frac{3}{4}$  mm.

*Antennæ* rather feeble. *Head* rather narrow; eyes small and not prominent. *Thorax* finely and very evenly margined at the sides; the sides much curved, scarcely at all sinuate behind; the base a little rounded on each side, so that the hind angles would be quite obtuse except that they are a little prominent externally; finely punctate across the basal portion, with fine median channel, but without lateral impression. *Elytra* with the sutural striæ rather deep, the external finer; their punctuation of a rather peculiar nature, so that it is intermediate between crenation and punctuation.

This species has a very *Trechoid* appearance, and will be distinguished by its small, smooth eyes. Although I have seen only two females, I do not detect anything to distinguish it from this genus.

Bealey. Helms; two examples.

1803. **T. cinctus**, *n.s.* *Broad*, slightly convex, moderately glossy; nigro-fuscous; the sides of thorax and elytra, and a large apical space on these latter, as well as the femora and antennæ, more or less testaceous; tibiæ and tarsi rather more rufescent.

*Head* smooth behind, interocular impressions short. *Thorax* transverse; anterior angles obtusely prominent, so that the apex seems as if widely emarginated; widest at the middle; rounded towards the front, gradually narrowed behind; basal angles rectangular but not at all protuberant; median sulcus fine and abbreviated; basal fossæ rather narrow, situated midway between the middle and sides, its surface free from distinct punctuation, slightly uneven, with some feeble transverse wrinkles. *Elytra* broader than thorax; ovate-oblong, sinuated posteriorly, margins reflexed; very finely punctate-striate; interstices broad; third unipunctate, eighth carinate behind.

The body is rather flatter than usual. The thorax is like that of No. 1456, its nearest ally, but in it the front angles are quite different, and the basal organs are a little projecting.

Length,  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Mount Cook, near the Hermitage. Mr. H. Suter.

### Sympiestus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 372.)

*Labrum* very short, deeply emarginate, so that its angles are prominent. *Mandibles* rather elongate, little curved, with external setæ. *Palpi* with the terminal joint a little incrassate, oval and acuminate, that of the maxillary palpi twice or three times as long as the penultimate joint, which is much abbreviated; excision of the *mentum* shallow, not toothed. *Antennæ* with the three basal joints glabrous, the third joint being, however, feebly pubescent above. Head with two orbital setæ. *Thorax* margined laterally, with two lateral setæ, normally placed; closely applied to the base of the elytra. *Epipleura* oblique, grooved near the apex. *Metasternum* very small. Male anterior *tarsi* with three joints feebly dilated and furnished beneath with squamæ.

The insect for which this genus is established has quite the appearance of a small *Pterostichus*, but will be very readily identified by the peculiar palpi and labrum. It should, I think, be placed near *Cyclothorax* and *Tarastethus*. The former genus is at present placed by systematists in the *Anchomenini*, but it must be removed from thence, as the epipleuræ are traversed near the apex by a slender deep groove, as in the present genus. *Tropopterus* should be removed from the New Zealand list, and its species placed in *Tarastethus*. These obscure New Zealand genera are of rather difficult classification, and will, perhaps, ultimately form a distinct tribe near the *Pterostichini* and *Trechini*.

1804. **S. syntheticus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886, p. 373.) *Subparallelus*, niger, antennis rufis, articulo basali pedibusque piceis; prothorace subquadrato, basi utrinque fovea elongata sulcifforme; elytris parum profunde striatis, striis conspicue punctatis.

Long.,  $6\frac{1}{2}$  mm.



*Antennæ* rather short; basal joint stout, darker than the others; second joint short, not half the length of the first; third greatly longer than the second, equal to the fourth. Head narrow, with small but convex eyes, and two large depressions in front. *Thorax* elongate, but a good deal shorter than broad; the sides finely marginate, a little narrowed and sinuate behind; hind angles nearly rectangular, a little obtuse, the base slightly broader than the front margin; the surface very shining, with a median channel starting from the base but not reaching the front; base impunctate, with a rather elongate canalicular fovea half-way between the channel and the side. Exposed portion of *scutellum* broad, extremely short. *Elytra* with the posterior line of basal margin reaching only as far inwards as the fourth stria. Their surface is rather dull, and the two or three striæ towards the side are almost obliterated. There is no raised apical plica.

Bealey. Helms; three examples.

1805. **S. fallax**, *n.s.* Testaceous, shining; subparallel, slightly convex, with some minute brassy setæ on elytra.

*Head*, including the long mandibles, quite as long as thorax but narrower, its frontal impressions rather broad and not sharply defined; eyes convex. *Thorax* somewhat broader than long, widest before the middle, its sides finely margined and moderately sinuously narrowed behind, posterior angles rectangular, not obtuse; disc impunctate, mesial groove rather fine, not attaining the apex, between this and each side there is an elongate narrow fossa. *Elytra* broader than thorax, not sinuated apically; their striæ not deep, rather narrow, and finely punctate, the outer striæ and posterior sculpture less evident; the hind line of basal margin extending inwards to the fourth stria.

With the exception of the coloration and some minor details this species seems to agree pretty well with the typical species, but the elytra are not dull, and the basal angles of the thorax are not at all obtuse.

Length, 3; breadth,  $1\frac{1}{8}$  lines.

Castle Hill Station, Canterbury. Mr. J. D. Enys was kind enough to send me a specimen some time ago.

Obs.—No. 1338, referred with doubt to Castelnau's genus *Cerabilia*, must be removed to *Symptestus*. In the description, page 754, I indicated the generic characters, almost exactly as Dr. Sharp has described them.

### Bembidium.

1806. **B. clevedonense**, *n.s.* Shining, æneo-fuscous; each elytron with a humeral spot, a lateral (before the middle), one near the hind thigh, and most of the apex, testaceous; legs and first three joints of the antennæ also testaceous, the remaining joints dark-fuscous.

*Head* large, frontal foveæ broad, rather shallow; eyes large and prominent. *Thorax* widest before the middle, strongly rounded,

considerably narrowed behind, posterior angles quite obtuse, lateral margins simple; basal fossæ small and elongate, placed close to the angles, disc evenly convex, without well-marked median groove, but with the common frontal impression, densely and minutely sculptured, much more finely than the head, and with a few obsolete transverse wrinkles. *Elytra* oblong-oval, striate-punctate, the punctures rather coarse; the sutural and lateral striæ reach the apices, but the other sculpture ceases in line with the hind thighs; third interstices bipunctate, the anterior punctures large and shallow. *Tarsi* with the first two joints dilated and strongly produced inwardly at the extremity, first joint very large. *Palpi* with white setæ.

Must be located near *B. anchonoderum*, but most nearly resembling *B. eustictum*, from which it differs in having more oblong wing-cases, obtuse thoracic angles, larger eyes, &c.

♂. Length, 2 lines; breadth,  $\frac{3}{8}$  line.

One of the numerous discoveries of Mr. George Munro, near Clevedon, Southern Wairoa, Auckland.

1807. **B. diaphanum**, *n.s.* *Nitid*, robust, moderately convex, finely shagreened; head, thorax, and scutellar region æneous (greenish); elytra with some ill-defined spaces also æneous, the rest of their surface a sort of ivory-white; mandibles fusco-rufous; palpi, four basal joints of antennæ, and the legs, almost transparent white, remaining antennal joints slightly infusate; knees and tarsi tipped with testaceous.

*Head* large, with large uneven frontal impressions. *Eyes* large and prominent. *Palpi* stout, terminal joint needle-shaped, the penultimate large, with white setæ. *Thorax* cordate, strongly rounded laterally, considerably contracted behind, posterior angles not well marked; the dorsal groove extends almost from base to apex, there is a curved impression near the front, several fine undulating transverse striæ on the disc, the front and base are feebly longitudinally striate, the basal fossæ are narrow and close to the sides; lateral margins a good deal widened near the middle, but quite obsolete near the front and basal angles. *Elytra* ovate, more narrowed behind than at the shoulders, which are rounded, margins narrow near the base, gradually but considerably expanded posteriorly, apical sinuations feeble; they are distinctly punctate-striate, the two sutural striæ of each elytron are confluent and reach the base, the others do not; the punctuation becomes obsolete behind, but the striæ are not obliterated there; interstices broad, rather flat, the third with three setigerous punctures. *Legs* elongate, rather slender, hind tibiæ slightly incurved; anterior tarsi stout, basal joint elongate rather than oblong, strongly produced at the extremity, second short, its inner angle similarly prominent, hind tarsi elongate. *Underside* pale-fuscous.

In form somewhat similar to *B. musæ*, rather larger and broader, and with more elongate legs.

♂. Length, 3; breadth, nearly  $1\frac{1}{4}$  lines.



Manawatu River, Palmerston. One example from Mr. G. V. Hudson.

1808. **B. dehiscens**, *n.s.* *Subdepressed*, broad, shining, æneo-niger; legs and antennæ fuscous, basal joint of the latter, the palpi, and tarsi paler; mandibulæ rufescent.

*Head* with large uneven frontal impressions, ocular punctures large and deep. *Eyes* large and prominent. *Antennæ* slender and elongate, reaching backwards beyond the middle thighs. *Thorax* small in proportion to the ample elytra, narrow, convex, cordiform, rather gradually but considerably narrowed towards the base, lateral margins narrow, posterior angles obtusely rectangular, not at all prominent; median furrow rather fine, not distinct at base or apex, basal region depressed; there is a very slight curvate frontal impression, and a few feeble transverse striæ; the basal foveæ are small and situated close to the angles. *Elytra* large and rather flat, apices rather narrow and so sharply rounded as to cause an elongate sutural gap, they are widest near the hind thighs and quite oblong; evidently punctate-striate, the striæ sometimes obsolete at the base, the sutural only extend to the extremity, and recurve there, the others are effaced behind the posterior femora; interstices flat, rather broad, the third with three, the fifth with two punctures, these have conspicuous brassy setæ; the oblique apical sulci are well marked. *Legs* long and slender, the four hind tibiæ slightly bent; front tarsus with a moderately-long basal joint, which, as well as the second, is moderately prolonged at the inner angle. *Palpi* with a long, hairy penultimate joint.

This is an easily recognised species. The relative proportions of the head, thorax, and elytra resemble those of *Actenonyx*.

♂. Length,  $3\frac{1}{4}$ ; breadth,  $1\frac{1}{4}$  lines.

Pakuratahi Stream, Rimutaki Range. Discovered by Mr. G. V. Hudson, of Wellington.

1809. **B. antipodum**, *n.s.* *Piceo-niger*, faintly tinged with violaceous, legs and basal joint of antennæ fusco-rufous, joints 4–11 opaque and infuscate; it is but little shining, moderately convex, and finely shagreened.

*Head* moderately broad, rather smooth, frontal impressions well marked and slightly rugose. *Thorax* cordiform, strongly rounded from the anterior angles to beyond the middle, behind this very much narrowed, quite straight near the rectangular, but not projecting, basal angles, the side rims distinct and rather regular; basal fossæ small, situated close to the angles, basal region not depressed, there are a few obsolete transversal discoidal striæ, the dorsal furrow is shallow and abbreviated, and there is a feeble impression in point. *Elytra* subovate, not flat, shoulders rounded, obliquely narrowed behind; they are punctate-striate, the striæ are narrow, the punctures are of moderate size, the intervals between them as large as the punctures themselves, the scutellar striæ well marked, the two sutural deep behind, the other striæ just reach the



top of the hind slope, and are rather feebly impressed there, the punctuation becomes less distinct behind the middle; the third interstices with two punctures. *Tibiae* rather slender; basal joint of front tarsi oblong, and, like the second, not strongly produced at the inner extremity.

The insect is subopaque. The contraction of the thorax behind the middle is rather abrupt, somewhat similar to what may be seen in the genus *Metaglymma*.

♂. Length, 2 lines; breadth,  $\frac{3}{4}$  line.

Manawatu River, near Palmerston. One male, found by Mr. G. V. Hudson.

1810. **B. tersatum**, *n.s.* *Suboblong*, somewhat depressed, shining, chestnut-red or fulvescent, the legs and two basal articulations of the antennæ yellowish, the other joints infusate, elytra sometimes with fuscous marks.

*Head* with elongate frontal impressions, and distinct interocular punctures with long, yellow setæ. *Mandibles* elongate, curvate at apex only. *Eyes* prominent. Penultimate joint of maxillary *palpi* large, somewhat rounded at one side, infusate, densely pubescent; terminal joint minute, scarcely perceptible. *Prothorax* transverse, broadest before the middle, strongly rounded, a good deal sinuate behind; basal angles acute, rectangular, somewhat prominent, disc slightly convex, median groove rather fine, basal foveæ small, close to the angles; near the basal margin there is a transverse depression, which has a row of punctures; lateral margins well developed, the basal distinct from the angles as far as half-way to the middle. *Elytra* oblong, broader than thorax, humeral angles rounded, the sides a little curved, not distinctly sinuated behind; the punctate sutural stria extends from the base and recurves at the apex, forming a distinct curvate carina directed forwards nearly in line with the third interstice, but the punctuation ceases near the hind slope; there are two other punctate striæ which scarcely reach the hind thighs, and do not touch the basal margin; beyond these are two series of moderately large punctures, not extending as far back as the second and third striæ, the external row, indeed, has only six or eight punctures; near the basal margin there are two large round impressions. Front *legs* robust, the others rather slender; hind tarsi with elongate joints.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Mokohinou Island. Found by Mr. Sandager amongst the roots of native grass near pools of water.

### Cillenum (?).

1811. **C. subcæcum**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 375.) *Minutissimum*, testaceum, impunctatum, brevissime setigerum; oculis minimis.

Long.,  $1\frac{1}{2}$  mm.

*Antennæ* very feeble, almost white; second joint elongate, longer than the third. *Head* narrow, eyes very minute, interocular grooves

shallow. *Thorax* transverse, sides curved, narrowed but not sinuate behind; hind angles extremely obtuse, median channel subobsolete, basal impressions very obscure. *Elytra* narrow, humeral angles rounded, lateral margin well marked, apices subtruncate, without punctuation, but under a half-inch power appearing finely reticulate, studded with minute setæ, especially on the lateral margins. Front *tibiæ* stout.

This is one of the most minute of the *Carabidæ*, and its almost blind condition renders it possible that it may be one of a group of species with subterranean habits, analogous to the minute European *Scotodipni* and *Anilli*. I obtained it some years ago from Herr Reitter, and I expect that when specimens come to hand to enable it to be thoroughly investigated it will prove to be sufficiently generically distinct. I cannot place it in *Scotodipnus* nor *Anillus*, though it is apparently nearer to the former than to the latter of these two genera; and, as it has somewhat the form of the New Zealand *Cillena*, I associate it provisionally with them. The robust front legs are rather remarkable in so minute and fragile an insect, but do not indicate any real affinity with the Dyschirioid genus *Reicheia*, which consists also of minute blind species.

Greymouth. Helms, ex Reitter.

Obs.—This species is either the same as my *Anillus pallidus* or else very closely allied thereto. Dr. Sharp's description of *Cillenum bates* is not transcribed, as it is identical with *Cillenum chalmeri* (No. 1568).—T.B.

### Tachys.

1812. **T. latipennis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 374.) *Testaceus*, plus minusve picescens, nitidus; *antennis*, *palpis*, *pedibusque* testaceis; *prothorace* cordato, *angulis posterioribus* rectis; *elytris* striis duabus ad suturam sat profundis, striaque tertia minus distincta.

Long., 2–2½mm.

*Antennæ* feeble, second joint elongate, longer than third. *Eyes* small, *head* bi-impressed between them, the impressions rather widely separated. *Thorax* a little curved at the sides, narrowed and sinuate behind, the hind angles sharply defined, exactly rectangular. There is a rather fine channel along the middle, and a fovea at the base on each side. The *elytra* are broad and short, with the shoulders perfectly rounded. The sutural stria is deep, and extends to the apex. The second stria is also rather deep, but does not extend on to the apical portion; and there is a third indistinct stria. The striae external to these are almost entirely obliterated. The apical plica is very distinct, and there are two obsolete setigerous punctures on the third interstice. The oblique truncation of the anterior *tibiæ* is excessively slight.

Greymouth and Kumara. Helms.

### Scopodes.

1813. **S. nigrinus**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 77.) *Gracilis*, nigerrimus, subopacus, parum sculpturatus,



antennis articulis 2-4 plus minusve testaceo-tinctis; oculis valde prominulis; *thorace* subtiliter strigoso, haud nitido, profunde canaliculato, angulis posterioribus obsoletissimis; *elytris* irregulariter parum profunde striatis, versus suturam foveolis tribus parvulis.

Long., 4mm.

*Head* rather narrow for this genus, but the eyes excessively prominent, the space between them not great, somewhat finely, but very definitely, strigose. *Thorax* small, the surface only obsoletely strigose, with a channel along the middle, which, seen in one direction, appears very deep, and with anterior transverse depression, the front angles very rounded, the lateral margin very distinct, and bearing in front of the middle an angular prominence, behind this narrowed in a straight line to the base, and there the margin is very slightly turned inwards, becoming quite obsolete close to the angle. *Elytra* with the surface uneven, owing to indefinite striation, and with three very indistinct impressions near the base.

Grey-mouth. Helms.

1814. **S. basalis**, *n.s.* Glossy, almost wholly black, with some very minute grey hairs on the wing-cases.

*Head* nearly smooth between the large prominent eyes, elsewhere more or less irregularly strigose. *Thorax* transverse, widest very near the front, with a long slender seta or hair, but no distinct angulation at that point; from thence narrowed, but hardly sinuate, towards the rectangular posterior angles; these, however, owing to the broad margins, which are, as it were, flattened or explanate, appear somewhat prominent, though in reality they do not project; the dorsal furrow is deep, and ends in a well-marked frontal impression, the base somewhat depressed transversely, its whole surface densely, finely, and irregularly rugose. *Elytra* widest behind, narrowed towards the base, side rims distinct, apices oblique, but scarcely at all curvate; with two broad basal impressions; each elytron has a fine sutural stria, and many very minute punctures arranged almost in rows, there are also indications of extremely fine, longitudinal, aciculate impressions, but the sutural striæ only can be easily seen, the surface therefore seems smooth.

In appearance like *S. lævigatus*, distinguished therefrom by the form and sculpture of the thorax.

*S. lævistriatus* is another near ally; the thorax, however, is much smaller and differently formed.

Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Maungatua, Otago. One example, from Mr. S. W. Fulton.

1815. **S. speciosus**, *n.s.* Subdepressed, head and thorax glossy metallic green; elytra less shining, tinged with blue, legs pale-fuscous, joints 2-4 of antennæ of similar colour, the others smoky-black; palpi variegate, fuscous, tarsi blackish.

*Head* larger than thorax, finely irregularly strigose; eyes large and prominent. *Thorax* finely transversely strigose, dorsal groove



slender, base plane, frontal impression indistinct; sides rounded in front, widest near the front, with a dentiform angulation at the broadest part and another near the base, the intervening space forming one wide undulation; hind angles quite obsolete. *Elytra* large, oblong, shoulders rounded, apices obliquely sinuated so as to appear somewhat obtusely prolonged at the suture; their surface slightly uneven, the striae ill-defined, consisting sometimes of elongate impressions, the foveae small.

This, I have no doubt, is closely allied to *S. prasinus*. The side of the thorax, however, if it were not for the denticle near the base, would seem to be gradually narrowed from the widest part to the base; the lateral margin ceases at the ante-basal angulation.

Length,  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Mount Cook. One example, a female, from Mr. H. Suter.

OBS.—No. 1751 (*Scopodes antennalis*). A variety occurs near Reefton, at Boatman's, differing from the type in having the antero-lateral angulation well marked, but the minute punctate-rugose sculpture of the thorax is wanting, or nearly so; the elytral striae are more developed, and there are, as in the type, numerous minute grey hairs behind.

No. 134 (*S. levigatus*). From the same locality, also forwarded by Mr. Cavell, I have a variety of this species in which the head does not seem to be unusually narrow; the elytra are not ovate, merely narrowed towards the base, bearing distinct but small foveae. Length, 2 lines; breadth, nearly  $\frac{7}{8}$  line.

## Huxelhydrus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1882.)

*Prosternal process* elongate, parallel-sided; intercoxal process of metasternum not attaining the mesosternal fork; hind *tibiae* with a distinct, slender basal portion. *Coxal lines* shorter than the prosternal process.

Under this name I have separated a species (*H. syntheticus*) that has in some respects the appearance of the members of *Bidessus*, and likewise is similar to that aggregate in much of its structure: it, however, departs from them by some very interesting characters; the prosternal process is much more largely developed and elongate, it is flat and only faintly margined at the sides; the mesosternum is joined to the metasternum at a very obtuse angle; the hind coxal cavities are more widely separated from one another; the coxal lines are extremely rudimentary, being very fine and short, and visible only in the immediate vicinity of the cavities. To these peculiarities may be added, as of minor importance, that the prothorax is straight at the sides or rather slightly narrowed towards the base; that the under-surface is densely, finely, and evenly punctured, and the elytra are truncate at the apices; and that the terminal joint of the front and middle tarsi is much more elongate than in any of the *Bidessi*. Many of the peculiarities of this insect are repeated to a greater or

less extent in some of the *Bidessi*, and in the isolated *Sternopriscus*, and even in some of the *Hydroporini*.

The *Huxelhydrus syntheticus* occurs either in Australia or New Zealand, and possibly in each of those regions.

I have made this generic name, as well as *Tyndallhydrus*, *Darwinhydrus*, and *Spencerhydrus*, in reference to some men whose clear thinking and able writing have placed us under a load of obligation, my recognition of which I am glad to express.

1816. *H. virgatus*, *n.s.* *Oblong-oval*, subdepressed, slightly shining, closely and finely punctured, with minute grey hairs; testaceous or fusco-testaceous; most part of the head, the frontal and basal margins of the thorax, and the apical portion of all but the two or three basal joints of the antennæ fuscous; there are two blackish stripes on each elytron, these do not reach the base, the outer is shorter than the inner, the latter is often recurved in front of the apex, the suture also is of a dark colour.

*Head* with an impression near each eye. *Thorax* about twice as broad as long, the sides a little curvate before the middle, nearly straight but a little narrowed behind; there are two oblique basal plicæ, and the space on the inside of these is depressed. *Elytra* narrowed behind, apices obliquely truncate; at the base there are two short, broad grooves, a little nearer to the middle than the thoracic plicæ, and two oblique ones behind the scutellar region; there are no sutural striæ, but the inner dark lines are somewhat depressed, and have on each a series of larger punctures than are seen on most of their surface; similar punctures occur on the external dark streaks also.

*Underside* nigro-fuscous, densely sculptured, and clothed with minute, depressed, grey hairs, but with longer ones near the extremity; metasternum canaliculate behind; prosternal process finely asperate, but not much larger proportionally than in *Bidessus plicatus*.

The truncature of the apices of the elytra is a sexual character only.

Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Cook Hermitage. Discovered by Mr. H. Suter. Dr. Sharp's *H. syntheticus* is at present a doubtful New Zealand species, but its description will be found further on along with some other water-beetles.

OBS.—No. 1689 having been found to belong to the genus *Copelatus*, I take this opportunity of renaming it *Copelatus sharpi*, in honour of the author of the work on Dytiscidæ. In this species there are no submarginal nor discoidal entire striæ on the elytra.

## Group—HYDROPHILIDÆ.

### Saphydrus.

*Nov. gen.*

(Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 467.)

Ex affinitate generis *Hydrobii*. *Palpi* maxillares breves, capite breviores, haud crassi, articulis inter se longitudine parum dissimile,



articulo ultimo quam præcedente paulo longiore et tenuiore; *mentum* latum valde transversum, antèrius emarginatum. *Antennæ* 9-articulatæ, clava laxa elongata; *mesosternum* muticum; *femora* subtus pubescentia; tarsi posteriores nullo modo remiformes, breves, subtus pubescentes haud rigide ciliati, articulo basali brevissimo; *unguiculi* parvi simplices. *Pronotum* basi obsolete marginato; *elytra* striata.

This genus consists of insects having the appearance and coloration of convex *Philydri*, but is more nearly allied to *Hydrobius*, from which it differs by the more feeble palpi, broad and emarginate mentum, unarmed mesosternum, and by the more laxly articulated tarsal joints, furnished beneath with pubescence instead of rigid ciliæ. Although very different in size and appearance from the genus *Anacæna*, the systematic characters bring the two near together; but *Saphydrus* has striate elytra, and the inflexed epipleura is pubescent for all its length, and marked off by a raised line extending four-fifths of the length of the wing-case. It comes equally close to *Rygmodus*, but the claws are small, with indistinct basal lobe.

The genus will probably prove peculiar to New Zealand. The nearest ally I know of to it is a Chilian genus not yet described.

I have at present included in the genus insects having glabrous and others having punctate-pubescent femora; it is probable, however, that it will prove a correct course to ultimately separate the former as a distinct genus, between *Saphydrus* and *Rygmodus*; but, as the few species known to me appear to indicate that the sculpture of the femora may, when more species are known, not prove a sufficiently definite distinction, I do not think it necessary to propose two genera at present.

The four new species known to me may be tabulated thus:—

Femora punctate and pubescent beneath .. .. .				1.
Femora glabrous .. .. .				2.
1	{ Elytra with a pale humeral spot .. .. .			S. suffusus.
	{ Elytra without .. .. .			S. obesus.
2	{ First joint of antennal club scarcely so long as broad .. .. .			S. longulus.
	{ First joint of antennal club longer than broad .. .. .			S. antennatus.

1817. **S. suffusus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 468.) *Breviter* ovalis, sat convexus, dense punctatus; *elytris* pubescentia tenuissima ægre observanda vestitis; fuscus, elytris margine externa maculaque humerali pallidioribus; *prothoracis* lateribus argute testaceis, pedibus rufis, *antennis* palpisque fusco-testaceis, illarum clava fusca; *femoribus* posterioribus subtus punctato-pubescentibus.

Long., 5mm.; lat.,  $3\frac{1}{4}$ mm.

The head and thorax are closely and rather coarsely punctate, shining, blackish, the anterior part of the clypeus more or less flavescent, and the sides of the thorax yellow. *Elytra* densely punctate, with a very fine indistinct pubescence, and with eight or nine rows of closely placed punctures, which are not very distinct amongst the general punctuation, while the external are quite in-



distinct; there is a well-marked pallid humeral spot; the *scutellum* is sparingly and finely punctate.

Greymouth and Maori Creek. Helms.

1818. **S. obesus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 469.) *Breviter ovalis*, latus, sat convexus, crebre punctatus, nigricans, elytrorum margine externo piceo, prothoracis lateribus argute testaceis, pedibus piceis tarsis dilutioribus, antennarum basi palpisque sordide testaceis; femoribus posterioribus subtus dense punctato-pubescentibus.

Long.,  $6\frac{1}{2}$ mm.; lat., 4mm.

Very similar to *S. suffusus*, but larger, of darker colour, the *elytra* almost quite destitute of pubescence, and not quite so densely punctate; the nine or ten series of punctures rather more distinct, and with no pallid humeral spot; the club of the *antenna* also is more elongate, and the very dense and distinct punctuation of the *femora* leaves no doubt the species is distinct.

Greymouth. Helms.

1819. **S. antennatus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 469.) *Ovalis*, sat convexus, nitidus, piceus, limbo dilutiore, pedibus testaceis, antennarum basi palpisque fusco-testaceis; crebre punctatus, et in *elytra* profunde seriatim punctatus, seriebus postice profundioribus; femora posteriora glabra.

Long., 6mm.; lat.,  $3\frac{1}{4}$ mm.

Extremely similar to *S. longulus*, but with much larger antennal club and longer legs, and also with the palpi and base of the antennæ darker; the elongation of the legs is accompanied by a considerably greater development of the claws and their lobe, so that the species approximates much to the genus *Rygmodus*.

Greymouth. Helms.

1820. **S. longulus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 469.) *Ovalis*, sat convexus, nitidus, piceus, limbo dilutiore, antennarum basi, palpis pedibusque testaceis; crebre punctatus et in *elytra* profunde seriatim punctatus, seriebus postice profundioribus, femora posteriora glabra.

Long.,  $6\frac{1}{2}$ mm.; lat.,  $3\frac{1}{4}$ mm.

*Head* blackish, with the epistome indefinitely broadly pale, rather closely and finely punctate, very shining. *Thorax* also very shining, moderately closely and coarsely punctate, the punctuation more effaced on the disc than at the sides. *Scutellum* almost impunctate. *Elytra* coarsely punctate, and with very distinct series of punctures.

Greymouth. Helms. I have only two examples, both in bad preservation.

### Rygmodus.

1821. **R. femoratus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 471.) *Ovalis*, nitidus, niger, femoribus læte rufo-testaceis, elytris vel cyaneo-nigris vel viridi-nigris.

Long., 8mm.; lat.,  $4\frac{1}{2}$ mm.

This species is readily distinguished by the bright-coloured *femora*. In general aspect it is excessively similar to the larger, more obscurely coloured varieties of *R. modestus*, and differs but little from it in details; it has, however, the punctuation on the disc of the *thorax* less effaced, that of the interstices of the *wing-cases* slightly more distinct, and the explanate or flattened-out side of the *thorax* broader. It varies a good deal in the punctuation, and in the convexity of the interstices; it is not a mere variety of *R. modestus*, as, besides the evident, though slight, distinctions of sculpture and of the colour of the legs, the minute pubescent punctuation of the under-surface is much denser than in *R. modestus*, and the antennal club is a good deal more elongate.

Mr. Helms has sent me several specimens of this insect from Greymouth.

1822. **R. tibialis**, *n.s.* *Oblong-oval*, rather broad, moderately convex, shining; black, head and thorax bluish-black, elytra nigro-cyaneous; antennæ and palpi fuscous, the basal joint of the former and the tips of the other joints, as well as of the palpi, paler; femora rufo-testaceous; tibiæ reddish, not much darker than the thighs; club opaque.

This species is most nearly allied to *R. femoratus*. *Head* closely and distinctly punctate; the frontal and lateral margins scarcely at all raised, the former a little incurved. *Thorax* more closely (yet quite finely) punctured than in *R. modestus*, more coarsely near the sides, these latter more flattened, basal foveæ well marked. *Scutellum* with a few fine punctures. *Elytra* punctato-striate; interstices convex, their punctuation not more distinct than in *R. modestus*; the lateral rims more expanded or prominent, and somewhat rufescent.

In some examples the head has the frontal margin considerably elevated and projecting a little beyond the raised sides: these, I believe, are males.

Length, 4; breadth,  $2\frac{1}{2}$  lines.

Mount Arthur. Messrs. Cheeseman and Adams.

1823. **R. ovalis**, *n.s.* (*Sharp*; *Trans. Ent. Soc. Lond.*, 1884, p. 472.) *Ovalis*, angustulus, parum convexus, niger, elytris cyaneis; dense punctatus, prætereaque in elytris seriatim punctatur.

Long., 8mm.; lat., 4mm.

Of narrower and more elongate form than the other species, and readily distinguished by the dense comparatively evenly distributed punctuation of the upper surface, the elytral striæ being on the other hand reduced, so that they are inconspicuous amongst the diffuse punctuation. The *antennæ* and palpi are quite black; the punctuation of the *thorax* is the same at the sides and on the middle, and the base of the thorax is more rounded and less bisinuate than in the other species; the striation of the *elytra* is quite distinct at the apex, but at the base is only to be distinguished as rather larger punctures placed in a serial manner amongst the other punctuation,

which is close and rather coarse. The pubescent punctuation of the under-surface is very dense and fine. The tarsal claws are rather more feeble than in the other species.

Mr. Wakefield gave me a specimen found on the West Coast by Mr. Slack; and Mr. Helms has recently met with three examples at Bealey, on the road between Greymouth and Christchurch.

OBS.—*R. ovalis* is extremely like No. 1346.

*R. modestus* has the front margin of the head medially effaced and incurved.

*R. puncticeps* has the front margin of the head distinctly elevated throughout, and almost quite truncate.

*R. cyaneus* has the hind angles of the thorax more rounded than is the case in *R. modestus*, its sides more explanate, and the surface more closely punctured. The elytra are much less striate, the interstices flatter, scarcely at all raised near the base, and more closely and distinctly punctate.

*R. opimus* is the largest species. Dr. Sharp describes a *R. unguicularis*, but I do not give the description here for the simple reason that the insect is really *R. opimus*.—T. B.

### Philydrus.

1824. **P. abditus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 473.) *Oblongo-ovalis*, parum convexus, niger, supra fusco-niger, lateribus pallidioribus, tibiis, tarsis, antennarum basi, palpisque testaceis, his apice summo fusciscentis, capite utrinque macula parum distincta testacea; corpore supra nitido, crebre sat fortiter punctato; mesosterni lamina parva.

Long., 4mm.

The colour above is of a dilute black, getting paler at the margins, with the head quite black; I cannot detect any serial punctuation amongst the diffuse punctuation of the wing-cases, but very vague indications of an obsolete striation can be seen here and there. The maxillary palpi are comparatively short.

This species may be readily distinguished from the other two by the small stature and the diminished mesosternal lamina, which is hardly one-fourth the size of what it is in the larger species.

Tairua. Captain Broun; a single individual.

The three New Zealand species of this genus may thus be distinguished:—

Mesosternal lamina large .. .. .	1.
Mesosternal lamina small .. .. .	<i>P. abditus</i> .
(Pitchy; head with obscure yellow spot on each side in front	<i>P. tritus</i> .
1 { Sordid-testaceous; the black head with large yellow spot on	
each side in front .. .. .	<i>P. variolorum</i> .

### Tormus.

*Nov. gen.*

(Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 474.)

*Corpus* superne valde convexus. *Labrum* transversum haud



occultum. *Oculi* indivisi. *Antennæ* 9-articulatæ, articulis 3-6 simplicibus, clava sat elongata articulis 7° et 8° transversis. *Pedes* intermedi contigui, mesosternum lamina erecta munitum; *femora* subtus haud punctato pubescentia, brevia, *tibiæ* spinosulæ, *tarsi* posteriores articulo basali perbrevis, secundo elongato. *Abdomen* e segmentis quinque, sat dense pubescentibus, compositum.

This genus is allied to the New World *Derallus*, with which, however, it is far from closely agreeing, and is systematically distinguished by the 9-jointed antennæ, and by the joint preceding the the club being simple. It may be placed in the New Zealand list near to *Saphydrus*, though it is far from being allied to that genus in most of the peculiarities of its structure.

1825. **T. helmsi.** (*Sharp; Trans. Ent. Soc. Lond.*, 1884, p. 474.) *Ovalis*, omnium convexissimus, niger, supra æneus, antennis palpisque testaceis, pedibus rufis; nitidus, parce obsoleteque punctatus; elytris ad latera et posterius seriebus abbreviatis punctorum majorum.

Long., 3mm.; lat., 1½mm.

The excessively convex form, and the shining brassy upper surface, together with the peculiar sculpture of the wing-cases, readily distinguish this from all the other New Zealand Hydrophilidæ. The base of the *thorax* is extremely rounded near the sides, so that the hind angles are very obtuse, almost quite rounded; on the posterior part of the *wing-cases* there are series of coarse punctures directed obliquely somewhat upwards, but quite absent from the anterior portions; on the wide interstices between these series are numerous finer punctures, but the basal region is only very finely and sparingly punctate; there is an abbreviated sutural stria, which does not reach half-way to the front.

I am greatly obliged to Mr. Helms for presenting me with the only example yet found of this insect. It was captured near Grey-mouth.

## Hydrostygnus.

*Nov. gen.*

(*Sharp; Trans. Ent. Soc. Lond.*, 1884, p. 475.)

*Corpus* ovale, convexum; *labrum* porrectum, emarginatum, *palpi* maxillares crassiusculi, parum elongati, articulo pseudo-basali sat elongato, sequente longiore, hoc quam ultimo paulo longiore; *mentum* haud latum, longitudine vix latius; *antennæ* 9-articulatæ, articulis intermediis omnino discretis; *pedes* intermediæ plus minusve distantes, metasternum inter eas productum, cum mesosterni processu conjunctum; *tibiis* crassis, mucronibus elongatis præsertim anteriorum, *femoribus* posterioribus subtus punctatis, sed vix perspicue pubescentibus, *tarsis* omnibus subtus densius pubescentibus, posteriorum articulo basali brevi quam secundo triplo brevioribus; *corpore* subtus omnium densissime subtilissime pubescente.

This is another peculiar genus; it bears a great resemblance in appearance to *Cyclonotum*, but belongs rather to the Hydrobiini in

the neighbourhood of *Saphydus* and *Rygmodus*; the large exposed labrum, the thick legs, and the tarsi hairy beneath, are characters which, taken conjointly, distinguish this from all the other New Zealand forms of Hydrophilidæ. The two species known to me, though similar in general appearance, differ in some important sculptural characters, which will be alluded to in the specific descriptions; at present there would be no advantage in treating them as distinct genera.

1826. **H. linsi**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 476.) *Ovalis*, *latus*, *niger*, *sat nitidus*, *antennis palpisque rufis*, *tarsis piceis*; *corpore supra dense punctato*, *elytris præterea seriebus decem punctorum majorum*, *seriebus internis obsoletiscentibus sed suturali apicem versus in striam continuata*; *tibiis crassis rude scabrosis*.

Long.,  $7\frac{1}{2}$  mm.; lat., 5 mm.

This very remarkable Hydrophilid is readily identifiable by the thick, densely scabrous middle and hind *tibiæ*; the punctures of the external series of the *elytra* are remarkably large and definite, but give rise to no appearance of striation; the sutural series is scarcely distinguishable in front, but behind forms a fine well-marked stria. The mesosternal portion of the pectoral prominence is rather large, quite as long as it is broad, and the middle legs are comparatively slightly separated; the hind *tarsi* are quite laxly articulated, and are furnished with long bushy pubescence beneath.

We are indebted to Mr. Lins, of Maori Creek, about sixteen miles from Greymouth, for the discovery of this and some other species of Coleoptera. Mr. Lins is placed in a district which certainly supplies some remarkable insects, and it will be a great benefit to science if he can devote some time to their research.

OBS.—*Hydrostygneus browni*, the second species alluded to by Dr. Sharp in the generic diagnosis, being exactly the same as No. 155, must be sunk as a synonym of *Hydrostygneus frontalis*, the name No. 155 must now bear. It is certainly an extraordinary circumstance that Dr. Sharp could not reconcile the insect (*Hydrostygneus browni*), of which he received a specimen from me, with any of the descriptions in the Man. N.Z. Coleopt.—T. B.

1827. **H. minor**, *n. s.* *Convex*, broad, oviform, piceous, legs red, antennæ and palpi fulvous.

The following characters distinguish this species from *H. frontalis* (*H. browni*, Sharp): The *body* is shorter and broader, and, consequently, less oval; it is redder in *colour*, the head and thorax being evidently rufescent; the *legs* are quite red; the *antennæ* are decidedly more slender, though similar in structure; the *eyes* are more distinctly faceted, only very finely however; the *tarsi* are more closely jointed; in both species the sculpture is nearly similar.

Length,  $2\frac{1}{4}$ ; breadth,  $1\frac{3}{8}$  lines.

Howick. One example.



1828. **H. bifoveatus**, *n.s.* *Shining*, glabrous, pitchy-black, antennæ yellow, tarsi and palpi rufo-fulvous, legs red.

Very much like *H. minor*, the body more oval, labrum distinctly longer; *thorax* rather less transverse, with less rufescent sides, and with two well-marked round foveæ on the middle; *elytra* rufescent behind, apical margins slightly explanate; intermediate *tibiæ* rather more scabrous; basal joint of hind *tarsi* very short, scarcely projecting beyond the coarse ciliæ at the extremity of the tibiæ, the other joints more evidently articulated.

Length,  $2\frac{1}{2}$ ; breadth, nearly  $1\frac{3}{8}$  lines.

Clevedon. One example, found by Mr. G. Munro.

### Tormissus.

*Nov. gen.*

The structural characters of *Hydrostygne* are, to a great extent, exhibited in *Tormissus*, which, however, differs in some important points. The basal joint of the *antenna* is more elongate, being quite as long as the five following joints taken together. The basal joint of the hind *tarsus* is quite one-half the length of the second. The posterior *femora* are very minutely and densely punctured, but are without pubescence. The middle of the *metasternum* is only feebly sculptured, and its intercoxal process is narrower. The mesosternal portion of the *pectoral prominence* is conspicuous and quite erect.

From *Tormus* it is distinguished by the emarginate labrum and epistome, by the structure of the tarsi, and by the evidently separated middle legs, &c.

1829. **T. marginatus**, *n.s.* *Oval*, convex, glabrous, shining, nigro-piceous, tarsi dark-red, labrum reddish, antennæ and palpi fulvescent.

*Body* closely and moderately punctured. *Eyes* smooth. *Thorax* transverse, curvedly narrowed anteriorly, hind angles not quite rectangular, but not widely rounded, the lateral margins thicker behind than in front. *Elytra* with, on each, ten series of well-marked large punctures, the sutural striæ quite distinct behind, the punctuation not so evident and regular on the hind slope as it is in front.

The *labrum* not as large as in *Hydrostygne*, its frontal incurvature, and that of the epistome too, not so deep. The *legs* similar. *Tarsi* not so densely pubescent, moderately laxly articulated. Anterior *coxæ* larger, densely and finely pubescent, the *femora* similarly clothed, as, indeed, is most of the under-surface of the body. *Antennæ* with the club and intermediate joints like those of *Hydrostygne frontalis*. The body rather more oval.

Length,  $3\frac{3}{4}$ ; breadth,  $2\frac{1}{8}$  lines.

Mokohinou. One damaged specimen, found by Mr. Sandager.

1830. **T. magnulus**, *n.s.* *Convex*, oval, slightly nitid; black, tarsi red, legs darker, antennæ and palpi pale-ferruginous.

*Head* densely and finely punctured; eyes not prominent, with



minute facets. *Antennæ* with joints 4-6 short; club densely but finely pubescent. *Prothorax* transverse, sculptured like the head. *Scutellum* large, curvilinearly triangular. *Elytra* closely but moderately finely punctated; each elytron with ten rows of punctures, the external much coarser than the sutural; these series cause a somewhat striate appearance, especially behind, but none quite reach the base. *Tarsi* furnished with bright-yellow hairs underneath.

From *T. marginatus* it differs but little; the *labrum*, however, is rather larger; the curved terminal processes of the anterior *tibiæ* are much shorter, and the *tibiæ* themselves along the outer face bear more numerous yellow ciliæ; the middle *tibiæ* are more thickly studded with short, spine-like asperities. The *metasternum* on its middle portion is not coarsely sculptured as in No. 155, though the punctures are evident enough.

Length,  $3\frac{3}{4}$ ; breadth, 2 lines.

Wellington. Two examples, from Mr. G. V. Hudson.

### Cyloma.

1831. **C. thomsonus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 477.) *Ovalis*, convex, parum nitidus, niger, antennarum basi palpisque sordide testaceis, elytrorum apice late maculaque humerali flavis; supra crebre æqualiter punctatus, et in elytris præterea seriebus punctorum majorum.

Long.,  $4\frac{1}{2}$ mm.; lat.,  $2\frac{3}{4}$ mm.

The very large yellow apex of, and the conspicuous humeral spot on, the *elytra* render this distinguishable as a glance; the apical yellow spot runs forward along the lateral margin near the base, and in some examples reaches the humeral spot. The elytral series of punctures are very distinct, and are of about uniform coarseness throughout, except that the two next the suture are much finer, and that the sutural is deepened into an impressed stria behind.

I have long had a small series of this species from an old collection in my possession, and have recently received an example from G. M. Thomson, Esq., of Dunedin, confirming it as beyond doubt a New Zealand insect.

1832. **C. guttulatus**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 477.) *Ovalis*, convexus, testaceus, capite thoraceque medio elytris fuscis, his sutura margineque externo testaceis, ad basin et ante apicem guttulis albidis numerosis, abdomine nigricante.

Long., 3mm.; lat.,  $1\frac{1}{2}$ mm.

*Head* very densely punctate, yellow at the sides, broadly fuscous or piceous along the middle. *Thorax* rather sparingly and finely punctate on the middle, at the sides with numerous coarse punctures mixed with the finer ones. *Elytra* each with ten series of coarse punctures extending from base to apex, the interstices almost impunctate, except near the suture; they are broadly testaceous at the apex, along the outer margin, and the suture, so that a large patch on each is left dark; and at the base there are numerous

spots, some larger, some smaller, of a whitish or ivory colour; and there is another transverse series of similar marks behind the middle. The *legs* and antennæ are yellow, the club of the latter being a little infusate; the tarsi are short.

Greymouth. A single individual, sent by Mr. Helms.

### Adolopus.

1833. **A. helmsi**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 478.) *Piceus*, limbo dilutiore, elytrorum apice irregulariter pallido, pedibus rufis; tarsis, palpis, antennisque testaceis, harum clava fusca; corpore supra crebre punctato, et in elytris seriatim fortiter punctatis, seriebus ad basin desinentibus.

Long., 3mm.; lat., fere 2mm.

The *punctuation* on the head, thorax, and basal portions of the elytra is close and rather coarse; on the *head* it becomes finer in front, so that on the epistome it is excessively fine, the surface there being opaque and alutaceous; the series of punctures on the *elytra* are coarse behind, and at the sides none of them extend to the base, the outer ones stopping short rather abruptly at about one-fifth of the length; those nearer the suture extend very nearly to the base, becoming, however, very fine in front, and the one or two next the suture hardly extend so far forwards as the two or three outside them; the sutural series becomes deepened behind into an impunctate stria.

Greymouth. Helms.

*Adolopus altulus* (No. 158) is extremely similar to *A. helmsi*, but is a trifle smaller, has the serial punctures of the elytra behind much coarser, the series near the suture very much shorter, and the margins explanate behind; the punctuation of the thorax is also finer and more scanty.

### Phelerosus.

*Nov. gen.*

(Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 480.)

*Antennæ* 7-articulatæ; *palpi* maxillares parum elongati, articulis longitudine subæqualibus; *prothorace* elytris angustiore basi quam apice haud latiore; *prosternum* ante coxas omnium brevissimum. *Femora* posteriora glabra. Generi *Berosi* proximus, sed femora posteriora tantum ad summum basin pubescentia discedit.

Although so close to the widely-distributed genus *Berosus*, I think this insect had better be isolated therefrom, the hind *femora* being pubescent only where they touch the coxæ; the side-pieces of the prosternum are less prolonged inwardly than they are in *Berosus*, and the prothorax is slightly impressed on the middle.

1834. **P. pallidipennis**, *n.s.* (Sharp; *Trans. Ent. Soc. Lond.*, 1884, p. 480.) *Capitè* thoraceque æneis, densissime punctatis, hujus margine anteriore et lateribus cumque elytris pallide testaceis; subtus

niger; pedibus, palpis, antennisque testaceis, femoribus basi nigro, palpis apice infuscato; elytris striatis, interstitiis parce obsoleteque punctatis.

Long., 4mm.

*Eyes* very prominent; *thorax* sinuate at the sides, with the angles rounded, and a broad, rather indistinct impression on the disc, and a slight ciliation near the front angles; *scutellum* metallic, closely punctate; *elytra* convex, very regularly and distinctly striate, the the striæ distinctly punctured, the scanty punctuation of the interstices quite indistinct.

A specimen of this species was first sent to me by G. M. Thompson, Esq., from Dunedin, and shortly afterwards Mr. Helms sent three individuals from Greymouth.

OBS.—In *Berosus mergus* the two hind pairs of *femora* are densely and minutely sculptured and pubescent near the base, but beyond there are numerous distinct punctures with short grey hairs proceeding from them. The *thorax* has a feeble dorsal impression, and its basal angles are just about rectangular though not at all acute. The *scutellum* is metallic. The elytral *striæ* differ from those of *P. pallidipennis*.—T. B.

## Group—ALEOCHARIDÆ.

### Aphytopus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 375.)

*Tarsi* omnes quinque articulati, articulis quatuor primis subæqualibus, articulo ultimo inflato, unguiculis magnis.

The minute insect for which I propose the above generic name can scarcely fail to be distinguished from all the known genera of *Aleocharini* by the very peculiar structure of the *tarsi*, the terminal joint being not only incrassate, but of peculiar shape, looking in fact as if it were a bilobed joint, and the lobes were folded along the middle, and their underfaces applied to one another. The large *unguiculi* are but little curved, and, as they project considerably beyond the joint itself, the foot has at first sight the appearance of being like that of the *Phytophaga*. The basal joint of the maxillary *palpi* is minute, the second elongate and slender, the third oval, the fourth very minute; the other parts of the mouth I cannot see sufficiently for description. The *antennæ* are inserted near the front of the head, and there is no trace of any tubercle at their point of insertion; they are eleven-jointed. The *genæ* are strongly margined. The *side-piece* of the thorax is large, almost triangular in form, and projects downwards and inwards, so that in its form and position it much resembles that of the *Pæderini*. The front *coxæ* are very exerted, and of the ordinary *Aleocharoid* form. The middle *coxæ* are contiguous, the metasternum rather elongate.



This peculiar little form is, I have little doubt, correctly placed in the *Aleocharini*, though the thoracic structure is a little like that of the *Pæderini*. The number of joints in the tarsi ranges it in the *Aleocharates*, but I do not know of any near ally to it.

1835. *A. gracilis*, n.s. (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 376.) *Angustulus*, rufotestaceus, elytris versus apicem, abdomine ante apicem, antennisque extrorsum fusciscentibus; *prothorace* subquadrato dense fortiterque punctato, dorso vix perspicue longitudinaliter bi-impresso.

Long., 3mm.

*Antennæ* slender, but distinctly thicker from the third joint to the apex; second remarkably elongate, equal to the first, and twice as long the slender third joint; the two penultimate joints transverse; terminal joint rather elongate, acuminate. *Head* narrow, narrower than the thorax, and only about half as broad as the elytra, gradually narrowed behind the eyes, rather closely punctate, and bearing a fine erect pubescence. *Thorax* much narrower than the elytra, broader than long; the base and sides nearly straight, the latter rounded at the front angles; the surface dull, unusually densely and distinctly punctate. *Elytra* a good deal longer than the thorax, rather coarsely, not densely punctate. Hind-body with the basal segments densely, the apical obsoletely, punctate. *Legs* pale-yellow.

The only example I have seen was sent to me many years ago by Mr. Lawson from Auckland.

## Group—TACHYPORIDÆ.

### Conurus.

1836. *C. maorinus*, n.s. *Subopaque*, head and thorax pale-chestnut; the elytra, the hind-body, a transverse line and two spots along the base of the thorax, nigro-fuscous; antennæ and legs sordid-testaceous, the three or four terminal joints of the former infuscate; clothed with fine depressed, inconspicuous, ash-coloured pubescence; sculpture fine and indistinct, on the sides of the thorax sublinear.

The *eyes* are moderately large, with distinct facets, and are somewhat acuminate in front. The *antennæ* extend backwards to beyond the middle of the elytra. The *thorax* is truncate at the apex, but the posterior angles are prolonged outside the shoulders.

*Scutellum* short and broad. *Elytra* about as broad as they are long, their apices obliquely curved towards the suture.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Howick. One example.

## Group—XANTHOLINIDÆ.

## Othius.

1837. *O. angustus*, n.s. Narrow, elongate, moderately shining, castaneo-fuscous, legs, antennæ, and palpi chestnut-red, mandibles rufo-piceous; pubescence yellowish.

Like *O. adustus*, decidedly narrower, and thus appearing very elongate; *clypeus* paler and more membranous; *labrum* rather larger, with more slender setæ, entire; *mandibles* inwardly angulate at the middle, and with a distinct tooth beyond that point. The *head* with two punctures near inner margin of the eye, two between it and the antenna, two behind the eye, and a row along the back. *Thorax* with two punctures on each side of the middle near the front, two or three near the front angles, the marginal punctures few and irregular. *Elytra* very short, their punctures closer, less regular, the interstices more rugosely sculptured. *Hind-body* more distinctly, yet finely, sculptured. Anterior *tibiæ* rather shorter, with shorter apical spines; *tarsi* more dilated.

*Underside*: Head with a frontal sulcus terminating in a triangular impression; penultimate ventral segment depressed along the middle, ciliated at apex, shortened in the middle, thus exposing the apical one, which has carinate borders to its medial depression.

Length, 7 lines; breadth,  $\frac{7}{8}$  line.

Taieri. Mr. T. Chalmer.

## Group—PÆDERIDÆ.

## Phanophilus.

Nov. gen.

(Sharp; Trans. Roy. Dub. Soc., 1886, p. 380.)

*Labrum* magnum, medio emarginatum; *caput* rotundatum, collo sat lato; *antennæ* graciles haud fractæ. *Tarsi* anteriores late dilatati; *tibiæ* anteriores intus subsimplices; *tarsi* posteriores sat graciles, articulo basale quam secundo vix longiore.

Generis typus *Lithocharis comptus*, Broun (No. 211: T.B.).

This genus, though without any very salient characters, is evidently abundantly distinct from any known, and should be placed near *Lathrobium* and *Domene*, and this also is M. Fauvel's opinion. It has not the facies of any of these forms, and is, I think, more like *Paderus* in this respect. From *Lithocharis* it is abundantly distinct by the form of the labrum, by the strongly-dilated front tarsi, and the proportions of the joints of the hind feet. From *Lathrobium* and *Domene* it is distinguished by the almost simple front tibiæ, which are nearly straight externally, and have their lower portion only very slightly flattened or shaved off, as well as by the suborbicular thorax. The *mandibles* are elongate, strongly bidentate towards the base. The *head* is large, suborbicular, and the slender *antennæ* are very widely separated; the *clypeus* is apparent as a strip of white membrane behind the labrum. The

basal ventral segment is strongly carinate at the base. I am acquainted with only a single female; it has the last ventral plate angular in the middle, like many *Lathrobia*.

## Group—OXYTELIDÆ.

### Coprostygnus.

*Nov. gen.*

(*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 380.)

Generis *Coprophili* facie et affinitate. *Clypeus* sat magnus, sutura profunda, arcuata delimitatus; *mentum* in medio obtuse acuminatum, fere rotundatum; *palpi* breves, maxillarium articulo penultimo brevissimo, quam ultimo triplo brevior. *Tarsi* quinque articulati, articulis quatuor basalibus per-brevibus; *tibiæ* anteriores extus versus apicem parce breviterque spinulosæ.

The insect for which this genus is established is closely allied to the European *Coprophilus*, but the numerous differences in some points of detail, which are mentioned above, render it a proper course, I think, to separate it. The species has the slender build of the neighbouring genus *Acrognathus*.

1838. **C. sculptipennis**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 380.) *Elongatus*, niger, nitidus, antennis pedibusque rufopiceis; *prothorace* fortiter punctato, inæquali; *elytris* lineis elevatis exaratis.

Long., 6–6½mm.

*Antennæ* stout, very loosely articulated, penultimate joint scarcely so long as broad. *Head* narrower than the thorax, with prominent eyes, coarsely and closely sculptured, the clypeus with only a few punctures. *Thorax* much narrower than the elytra, nearly as long as broad; front and hind margins straight; sides curved, slightly sinuate behind; hind angles rectangular, sharply marked; the surface is closely, deeply, and coarsely punctate, has a large impression on each side, two indistinct impressions at the base, and another on the middle. The *elytra* are much longer than the thorax, each traversed by about eight raised lines, those near the suture coarser than those external; the intervals between the lines sculptured in a rather indefinite, elongate manner. The *male* has the fourth and fifth joints of the antennæ dilated; an elevated tubercle at the sutural and apical angles of the wing-cases, a depression on each side of the three basal dorsal segments, and a sharply-elevated subhamate carina on the penultimate segment.

Grey-mouth. Helms; one pair.

## Group—STAPHYLINIDÆ.

### Quedius.

1839. **Q. fuscatus**, *n.s.* *Elongate*, moderately shining, variegate; head and thorax fusco-niger, but the sides of the latter and a



space on each side of the former, behind the eyes, fusco-testaceous; elytra and hind-body variegate-brown; legs, palpi, and the three shining basal joints of the antennæ testaceous, remaining joints darker; mandibles reddish.

*Head* oviform, smooth, with two or three punctures near each eye, two smaller ones near the base, and behind the eye, at each side, there are large punctures and some shallow indefinite impressions; there are dark, elongate hairs arising from these punctures. *Antennæ* elongate, stout, gradually incrassated, first and third joints nearly equal, elongate; second longer than either fourth or fifth, which are of equal length; joints 6-10 much narrowed towards the base; eleventh larger than tenth; the last eight joints bear blackish hairs and appear somewhat asperate. *Prothorax* about as long as broad, finely margined, apex truncate, sides but little curved; with two punctures in front, a row (transversal) of three or four before the middle, and several smaller ones on the basal margin; it is broader but not longer than the head, and bears hairs. *Elytra* longer than thorax, and becoming broader than it behind, their apices individually rounded, and almost truncated obliquely towards the suture; their punctation moderately close and distinct; they are clothed with short, yellowish hairs. *Abdomen* quite as long as or longer than the rest of the body, apical segment largest, the penultimate larger than the basal ones; more or less finely punctate, sparingly clothed with fine yellowish hairs, and with longer blackish ones on the sides and near the extremity. *Legs* robust, tibiæ spinose along the outer face, the posterior with a rather long spur; anterior *tarsi* strongly dilated, intermediate less so, the hind pair elongate.

Altogether narrower than *Q. variegatus*, Fauvel, the thorax and wing-cases longer, the head much narrower, eyes less prominent and less obviously faceted, the terminal articulations of the antennæ more moniliform. In general outline it more nearly resembles No. 210 (*Quedius arcifrons*).

Length, 4-4½ lines; breadth, ¾ line.

My specimen is from Mount Arthur, and is one of many other species that were found there by my friends T. F. Cheeseman and J. Adams.

1840. *Q. antipodum*, n.s. (Sharp; Trans. Roy. Dub. Soc., 1886, p. 378.) *Major*, latus, nigerrimus; *clypeo* membranaceo, flavo; *prothorace* amplo, *elytris* latiore.

Long., 15-21mm.

*Antennæ* entirely black, rather stout, penultimate joint scarcely so long as broad. *Head* short and broad, with large yellow membranous clypeus, to which is attached the large labrum; this is broadly emarginate in the middle, armed with very long black setæ, and increased by a large membranous border. An irregular series of large punctures extends from front to back, along the inner margin of the eye, and there are some fine punctures on the side behind the eye. *Thorax* more than one and a half times as broad as long, with excessively broadly rounded hind angles, the front margin

sinuate on each side. *Scutellum* and *elytra* closely punctate, dull. *Hind-body* broad, closely punctate, black, with some iridescent reflections. Male with a broad shallow emargination on the last ventral ring, and the front tarsi rather strongly dilated. Female with the tarsi rather less dilated.

This is another species, very distinct from its New Zealand congeners, and suggesting by its form, size, and colours an affinity with the European genus *Velleius*. I sent it some years ago, under the above name, to M. Fauvel, and he intended to describe under the name of *Q. flavilabris*. As this is not a very good name, the labrum not being yellow, I have preserved the name I first suggested.

Dunedin: G. M. Thompson. Greymouth: Helms.

1841. *Q. edwardsi*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 378.) *Elongatus*, angustus, piceus, nitidus; *elytris* prothoracis longitudine, fortiter punctatis; *abdomine* elongato, fortiter punctato. Long., 13mm.

*Antennæ* slender, obscure-red, tenth joint much longer than broad. *Head* short, clypeus distinctly marked off by a suture, but quite horny, the surface sparingly and finely punctate, eyes occupying rather more than half the length of the side, genæ not margined. *Thorax* transverse, a little rounded at the sides in front; the surface sparingly punctate, and with a large puncture on each side of the middle distant from the front margin, in addition to the marginal punctures. *Scutellum* large, coarsely punctate, like the *elytra*. *Hind-body* coarsely punctate, rather shining, with iridescent reflections; terminal styles very long. Male with a small excision on the hind margin of the last ventral plate.

This is a very different species from any others known from New Zealand. I received an example of it from Mr. Henry Edwards about twenty years ago, and have named it after him. It has now been found by Helms at Picton.

1842. *Q. insolitus*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 379.) *Elongatus*, angustulus, niger; *antennis*, *palpis*, *tarsisque* piceis; *prothorace* antrosum fortiter angustato, *angulis* anterioribus valde depressis, *disco* utrinque punctis quatuor impressis; *elytris* elongatis, dense subtiliter punctatis.

Long., 13mm.

*Antennæ* long and slender, basal joint rather darker than the rest. *Head* oblong, eyes rather small, not occupying one-half the length; clypeus extremely short, horny, vertex over a large extent closely punctate, anterior portion of the surface quite smooth; genal sutures quite obliterated. *Thorax* quite as long as broad, of the usual form at the base, but much narrowed towards the front, and at the front margin with the angles so greatly deflexed that the sides appear sinuate; the surface is shining-black, with some sericeous reflections, and is remarkable by the four punctures placed

near one another on each side of the middle. *Scutellum* elongate, densely and finely punctate. *Elytra* longer than the thorax, closely and finely punctate, dull. *Hind-body* black, with some iridescent reflections, densely and rather finely punctate. Male unknown; female with the front tarsi a little dilated.

This peculiar insect will, no doubt, form the type of a distinct genus, though at present I cannot point to any character that appears to be of generic importance to distinguish it, except it be the comparatively short and stout basal joint on the hind feet.

New Zealand: Henry Edwards. Dunedin: Hutton, 1878.

1843. *Q. latifrons*, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 379.) *Subdepressus*, niger, capite thoraceque subæneis, elytris guttulis minutus obscure testaceis; abdomine iridescente, segmentis ad basin elytrisque ad latera setulis flavis parce variegatis.

Long., 10mm.

*Antennæ* rather slender, fuscous, the basal joints rufo-fuscous or piceous. *Head* broad and short, eyes large and prominent; a series of punctures along the margin of the eye, and two large impressions on the front; *clypeus* very short and broad, membranaceous, dusky; *labrum* rounded in middle, but increased by a pallid membrane, which is emarginate in the middle. *Thorax* short and broad, shining brassy, with two deep punctures in front of the middle. *Elytra* slightly longer than the thorax, slightly shining, rather finely, moderately closely punctate, blackish, with two or three minute and obscure flavescent spots on their apical portion, with a few flavescent hairs across the middle, most distinct at the sides. *Hind-body* beautifully iridescent, rather closely punctate, with some flavescent hairs at the base of each segment, arranged so as to form two indistinct spots; terminal styles lurid-red; tarsi obscure-red.

This species is one of a group found in New Zealand. Its nearest ally is *Quedius wakefieldi*, Fauv. in litt., but the two differ in almost all their details.

Bealey. Helms; one female.

1844. *Q. discrepans*, *n.s.* *Narrow*, elongate, shining, pitchy-black, hind-body with iridescent or violaceous reflections, legs pitchy-red, palpi and antennæ red.

*Head* short, rounded, finely and distantly punctured, more closely behind the eyes, with three large punctures along the inner margin of each eye, one behind it and two on the back part; *clypeus* apparently horny, nearly vertical; *labrum* deeply emarginate, quite to its base indeed, with a membranous frontal appendage; eyes half the length of the side. *Antennæ* rather slender, reaching beyond base of thorax, all the joints evidently longer than broad. *Thorax* a little broader than long, slightly curvedly narrowed towards the front, posterior angles moderately distinct; more finely sculptured than the head, more distinctly, yet quite finely, at the sides, with four discoidal punctures, two close to the front, and others at the sides and base.



*Scutellum* triangular, not elongate, punctate. *Elytra* short, rather broader than long, scarcely longer than thorax, apices obliquely truncated towards the suture, moderately closely and coarsely sculptured. *Hind-body* very elongate, its punctures quite elongate; terminal styles very long, dark-red. *Tarsi* fulvescent, anterior strongly dilated. *Clothing* yellowish or ash-coloured; on the thorax exceedingly minute, slender, brassy hairs are disposed transversely.

This species makes a near approach to *Q. edwardsi*.

Length,  $6\frac{1}{2}$  lines; breadth, 1 line.

Wellington. One male; Mr. G. V. Hudson.

1845. *Q. latimanus*, *n.s.* *Elongate*, subparallel, piceous, head and thorax bronzed, almost infusate, glossy; femora, labrum, and basal joint of antennæ testaceous, remaining joints and the tibiæ more fulvescent, mandibles red, vestiture yellowish.

*Head* very short, rounded, with a curved series of three very shallow punctures in front, three deep ones along inner margin of each eye, a smaller one behind, besides the minute punctuation between the eye and thorax; eyes standing half-way along the sides; *clypeus* very short, testaceous, frontal suture straight; *labrum* also short, with a narrow medial notch, setæ fuscous, and furnished with a large membranous appendage which is covered with golden pubescence. *Antennæ* very short, hardly reaching base of thorax, slender, tenth joint not so long as broad. *Thorax* very little broader than long, very slightly narrowed in front, posterior angles more rounded than the anterior, apex truncate; with two distinct discoidal punctures placed before the middle, two close to the front margin, besides those at the sides and base; there are some very shallow indefinite punctiform impressions arranged without order. *Elytra* very short, one-third broader than long, one-third shorter than thorax, apices obliquely cut away towards the suture; closely sculptured, and with several irregular, large impressions or punctures; clothed with long, depressed yellowish hairs. *Hind-body* similarly clothed, more finely sculptured, very elongate, attenuated posteriorly, fourth segment widely incurved behind, terminal styles moderately long. *Legs* robust; front tarsi with very widely expanded and pilose basal joints.

Numerous characters render this one of the most easily recognised species as yet found in New Zealand.

Length, 5 lines; breadth,  $\frac{7}{8}$  line.

Otago. One male; Mr. S. W. Fulton.

1846. *Q. collinus*, *n.s.* *Elongate*, head and thorax shining pitchy-black, elytra and hind-body variegated fuscous or castaneous, mandibulæ shining-red, femora fulvescent, tibiæ darker, palpi and tarsi fulvous; pubescence cinereous.

*Head* rotundate, not short, with two shallow frontal punctures, four along inner margin of eyes, one behind these; eyes occupying quite one-half of the sides; *clypeus* pallid, membranous; *labrum*

emarginate, about half its length, setæ fuscous, with a membranous border in front. *Antennæ* reaching base of thorax, their three basal joints shining, reddish, the others quite opaque, of a smoky colour, densely pubescent, each longer than broad, the terminal one unsymmetrical at the tip, as is the case also in the two preceding species. *Thorax* slightly transverse, a good deal depressed and narrowed in front, the hind angles and base forming an almost continuous curve; there are two punctures in front of the middle, but the sides and base are without well-marked impressions. *Scutellum* triangular. *Elytra* about as long as broad, widely incurved behind, closely and finely punctate. *Hind-body* long, finely sculptured, terminal styles rather short.

Its nearest ally is No. 206 (*Q. æneocephs*), which has the labrum and clypeus very similar, but the antennæ are quite different, the dense dull vestiture of the eight terminal joints being, I think, peculiar to *Q. collinus*.

Length,  $4\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Waitakerei Range.

1847. *Q. cavelli*, n.s. *Elongate*, narrow, shining; head and thorax glossy-black; elytra and hind-body æneo-fuscous, legs rufous, knees rather paler; three basal joints of antennæ reddish, the others black.

*Head* subrotundate, as large as thorax, with three punctures along the inner margin of the eyes, and one behind them; eyes covering more than half of the sides; clypeus short, its suture distinct, dark in colour and submembranous; labrum deeply notched in the middle, bearing long black setæ. *Antennæ* moderate, joints 5–10 subquadrate. *Thorax* rather broader than long, depressed and rounded in front, posterior angles broadly rounded; with two punctures in front of the middle, one at each side placed just behind the middle, and a series of less distinct ones along the basal margin. *Scutellum* finely punctate. *Elytra* quadrate, clothed with depressed greyish-yellow hairs, with some ill-defined obscure testaceous marks. *Hind-body* more finely punctured than the elytra, slightly iridescent, bearing (for the most part) rather coarse yellow hairs, most conspicuous near the sides. *Tarsi* but little dilated. *Palpi* with slender acuminate terminal joint.

About half the usual size of *Q. variegatus*, Fauvel, which is probably the species it most nearly resembles, but with differently-formed antennæ.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$  line.

Boatman's. One female, forwarded by Mr. A. T. Cavell, in whose honour I have named it.

Obs.—I possess what I believe to be a specimen of *Q. insolitus*, found on Mount Arthur. The sides of the head bear numerous fine hairs, forming a sort of fringe behind the eyes. If this character is absent in typical specimens, mine must represent a new species, which may be designated *Q. mystacinus*.

**Cafioquedus.***Nov. gen.**(Sharp; Trans. Roy. Dub. Soc., 1886, p. 376.)*

*Prothorax* lateribus ad basin mediocriter inflexis, antice haud inflexis, lineis marginalibus tantum ad angulos anteriores conjunctis, his valde deflexis, rotundatis, breviter liberis. *Genæ* immarginatæ. *Tarsi* anteriores in utroque sexu modice dilatati.

This curious insect may, I believe, be considered as an aberrant member of the *Quediina*. It has, perhaps, more the aspect of a *Cafius* than of any other known genus, but it differs totally therefrom by the structure of the side-piece of the prothorax. I have pointed out elsewhere that the essential character by which the *Quediina* are distinguished is that the prosternum is not placed quite at the front of the thorax, but leaves the anterior angles free and projecting. This is the case in *Cafioquedus*, though to a slighter extent than in the other genera of the group. Looking on the genus as a member of the *Quediina*, the very peculiar form of the prothoracic side-piece, which in front is scarcely at all inflexed, is diagnostic: both marginal lines are quite distinct till the front angles are reached, and exactly at this point they are joined. The other characters throw but little light on the affinities, though the general structure is apparently that of *Philonthus*. The *antennæ* are similar to those of the larger *Philonthi*; the *labrum* very short, quite divided; the *mandibles* long and slender, dentate in the middle. The *ligula* is apparently bilobed, but of this I am not quite sure. The labial *palpi* are rather slender, with the terminal joint quite slender, sublinear, a good deal longer than the penultimate joint. The penultimate joint of the maxillary palpi is broader at the apex than at the base; the terminal joint of very slender oval form, slightly shorter than the penultimate. The middle *coxæ* are slightly separated.

1848. **C. gularis**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc., 1886, p. 377.*) *Elongatus*, subcylindricus, niger, parce albido-pruinosis, capite subtus gula sanguinea; *prothorace* transversim fortiter convexo angulis anterioribus per-deflexis; *elytris* thorace longioribus, obsolete sculpturatis, opacis.

Long., 15mm.

*Antennæ* black, moderately slender; third joint longer than second; joints 4–10 each minutely red at the base, the penultimate three or four joints each slender at the base; the penultimate not so long as its greatest width; terminal joint short, strongly obliquely sinuate. *Head* rather elongate, eyes rather large, sides for some distance behind them almost straight, then distinctly narrowed to the broad neck; along the inner margin of the eyes is a series of coarse punctures, and between this series and the neck are some other coarse punctures, marking off a rather large space about the hind angles on each side, which is finely punctate, and bears a scanty white pubescence. *Thorax* rather long, black, shining, and



impunctate, except that there is a space along each side dull, obsoletely punctate, and bearing some white pubescence. *Scutellum* elongate. *Hind-body* rather closely and finely punctate, with scanty white pubescence. *Underside* of head and neck red; at each side behind the eye there is a dull punctate space bearing white hairs. *Legs* black, griseo-pubescent. *Underside* of hind-body rather obsoletely punctate, with some coarse numerous punctures irregularly placed on each segment. The male has a deep incision on the last ventral plate, and an emargination of the hind margin of that preceding it. The *tarsi* are moderately dilated in each sex.

North Island: Castelnau. Bealey: Helms.

## Group—OXYTELIDÆ.

### Holotrochus.

1849. **H. ferrugineus**, *n.s.* *Cylindric*, elongate, moderately convex transversely, slightly nitid, almost nude; infusate-red, antennæ red, tarsi yellow.

*Head* narrower than thorax but rather longer, densely and minutely sculptured, and with numerous fine, distant punctures. *Eyes* not at all prominent. *Antennæ* with a yellow pubescence, gradually but only slightly thickened, as long as head and thorax; basal joint thick, partly concealed above; third about one-third longer than second, narrow at the base; fourth nearly obconical, about the same size as the fifth, which is smaller than the sixth; joints 6–9 moniliform, tenth subquadrate, eleventh broadly oval. *Thorax* transverse, its sides distinctly marginated, slightly rounded, nearly straight behind, posterior angles nearly rectangular but obtuse; its punctuation a little closer and coarser than that of the head. *Scutellum* finely sculptured. *Elytra* quadrate, the sutural striæ well marked, they are rather distantly punctured, and exhibit several irregular, shallow, longitudinal impressions. *Hind-body* finely sculptured, fifth segment largest and abruptly truncate behind, sixth narrow, deflexed. *Tibiæ* straight, the intermediate with many slender yellow spines.

Differs from *H. brouni*, Fauvel, in size, colour, and sculpture.

Length,  $1\frac{7}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Woodhill, near Kaipara Railway. One example.

1850. **H. brevipennis**, *n.s.* *Shining*, dark-brown, the head, base of thorax, and abdomen more rufescent; tarsi yellow, antennæ fulvous; it is sparsely clothed with short, greyish hairs.

*Antennæ* slender, third joint rather longer than second; 4–6 nearly equal, the fourth, however, rather smaller than fifth; 7–10 larger than the preceding ones. *Head* minutely sculptured and with a few shallow punctures. *Thorax* widely incurved at the base, basal angles rounded, with only very few scattered punctures. *Elytra* very short, quite transverse, the base minutely and densely strigose,

the rest of their sculpture fine but ill-defined. *Hind-body* minutely sculptured.

Remarkable on account of the very short wing-cases.

Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{1}{4}$  line.

Mokohinou. One example, from Mr. Sandager.

## Group—OMALIDÆ.

### Omalium.

1851. *O. sagoloide*, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 381.) *Head* latum, antcrius angustior, rufo-testaceum, capite thoraceque fusciscentibus, minus breviter pubescente; *capite* thoraceque inæqualibus, profundius impressis, hoc minus fortiter transverso, prosterius fortiter constricto; *elytris* minus punctatis, basi inæquale.

Long.,  $2\frac{1}{2}$  mm.

*Antennæ* longer than head and thorax, strongly pubescent; joints 6–10 evidently broader than those preceding; penultimate slightly transverse. *Head* with the two frontal impressions deep and large. *Thorax* rather coarsely punctured, with two very deep impressions on the middle, and another at each side. *Elytra* about twice as long as the thorax, rather sparingly punctate, the punctures towards the apex obsolete, shining, strongly pubescent, with a transverse depression near the base, giving rise to the appearance of a slight callosity on each side of the scutellum.

This species is remarkable from its great resemblance to the more elongate of the species of the genus *Sagola*. It is allied to *O. hirtellum*, Fauv. in litt., but is readily distinguished by the more elongate form, less transverse thorax, and more uneven surface of the head and thorax.

Picton. Helms.

1852. *O. actobium*, *n.s.* *Variegate*, head and thorax black, elytra castaneous, hind-body blackish, but with the two terminal segments more or less castaneous, legs testaceous, tarsi and palpi fulvescent; the five basal joints of antennæ reddish, remaining ones opaque, dark smoky-brown.

*Head* narrower than thorax, subopaque, minutely and densely sculptured, and with numerous distinct but not large punctures, nearly smooth along the middle, the occipital foveæ well marked. *Antennæ* with the six terminal joints distinctly broader than the preceding ones, tenth joint transversely quadrate, third obviously longer than fourth. *Thorax* broader than long, base truncate, resting on elytra, narrower than they are; sides finely margined, much rounded, narrowed but nearly straight behind; posterior angles rectangular, not acute, anterior somewhat depressed and rounded; there are three almost smooth, narrow, longitudinal areas, confluent in front, the two intervening spaces a little depressed, and, like the rest of the surface, opaque, with the same sort of sculpture as the head; the pubescence scanty, mostly dark-grey. *Scutellum*

finely sculptured. *Elytra* oblong, very slightly narrowed towards the base; apices, singly, broadly rounded; feebly impressed before the middle, moderately closely and finely punctured, more distantly behind, with very indistinct costæ; clothed with short, erect, greyish-yellow hairs. *Hind-body* as broad as but rather longer than elytra, the sculpture closer and finer, the pubescence more slender but longer, greyish. Legs slender, tibiæ with fine yellow setæ; tarsi and claws rather elongate.

*O. comicum*, Fauv. in litt., also from Otago, is more oviform. *O. litoreum* is more glossy, and differently clothed and sculptured.

Length,  $1\frac{7}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Sandspit, Port Chalmers. One example, sent by Mr. T. Chalmer.

1853. *O. carinigerum*, n.s. *Shining*, nigro-fuscous; legs, palpi, and five basal joints of antennæ testaceous, the two apical ventral segments pale-chestnut.

*Head* and neck minutely and closely sculptured, the central portion almost quite smooth, and with very few fine punctures, chiefly on the sides; occipital foveæ distinct. *Antennæ* with the last six joints opaque, fuscous, tenth quite transverse, third nearly twice as long as fourth or fifth. *Thorax* one-third broader than long, evidently narrower than elytra, not covering them at the base, only resting on them; sides rounded before the middle, straight, but a little narrowed behind, posterior angles obtusely rectangular, the anterior a little depressed and broadly rounded; disc nearly smooth, obsoletely bi-impressed, punctuation fine, rather shallow and distant, there are, however, two distinct punctures near the front and basal margins, and a shallow fovea in front of the small scutellum. *Elytra* just perceptibly longer than broad, apices nearly truncate, but strongly obliquely curved at the outer angles, parallel; with a feeble rounded impression on each before the middle, their sculpture ill-defined, rather close, consisting apparently of small shallow punctures, which are most easily seen at the sides. *Hind-body* rather longer than broad, not quite the width of elytra, finely sculptured. The hind-body bears greyish pubescence, the rest of the surface is nearly nude. *Tibiæ* with fine brassy setæ. *Underside* dark-fuscous; basal segment with a short but distinct carina not reaching the hind margin.

Somewhat similar to *O. actobium*; elytra rather smaller; head broader, less narrowed anteriorly, so as to appear subquadrate rather than trigonal; clothing and sculpture different.

Length, 2 lines; breadth,  $\frac{5}{8}$  line.

Port Chalmers. One individual, found by Mr. T. Chalmer.

1854. *O. antipodum*, n.s. *Elongate*, subparallel, clothed with short brassy hairs, somewhat shining, chestnut-red, antennæ fulvous, legs and palpi yellowish.

*Head* moderately finely punctate, frontal impressions not deep, the interocular round. *Antennæ* with elongate pubescence; second joint half the bulk of the basal one, third longer than broad, fourth



and fifth bead-like, joints 6-10 evidently broader than the preceding ones, eleventh longer than broad. *Thorax* transverse, cordiform, posterior angles rectangular; with two abbreviated discoidal impressions, and a large one at each side, near the middle; its punctuation similar to that of the head. *Elytra* nearly twice as long as broad, subtruncate behind, feebly depressed near the base, distinctly punctate. *Hind-body* half as long again as elytra, finely sculptured, terminal segment yellowish. *Tarsi* slender, apical joint longer than the other four taken together. *Palpi* with the last joint much longer than the third, slender.

*Underside* rather darker than the upper, similarly clothed, basal ventral segment medially carinate, terminal impressed.

A much narrower form than *O. hirtellum*, Fauvel, more parallel, &c. *O. sagoloide* is another cognate species.

Length, 1; breadth,  $\frac{1}{4}$  line.

Boatman's, Reefton. Two specimens, found by Mr. A. T. Cavell.

1855. *O. chalmeri*, n.s. *Shining*, castaneous, head blackish, legs fulvescent, palpi testaceous; five basal joints of antennæ reddish, remaining joints opaque, densely pubescent, dark-fuscous, apex of each paler.

*Head* trigonal, its middle portion nearly smooth, sides more distinctly but finely punctured, and, like the neck, with dense minute sculpture, the occipital foveæ distinct. *Antennæ* moderately elongate; tenth articulation transversely quadrate; third evidently longer than the contiguous ones. *Thorax* about one-third broader than long, base touching elytra; the sides a little rounded near the front only, anterior angles rounded but not depressed, slightly narrowed behind, posterior angles obtusely rectangular; with two broad, not shallow, impressions behind the middle, the surface moderately finely punctured, with the same kind of minute sculpture as the head, with a few fine greyish hairs. *Scutellum* distinct. *Elytra* broader than thorax, subparallel, apices slightly curved, outer angles strongly; punctuation tolerably close, with, here and there, some larger punctures; they are a little depressed near the suture, and clothed with short griseous hairs. *Hind-body* not longer than elytra, about as broad as they are, closely, finely punctate, bearing slender, elongate, greyish pubescence, and on the middle of the basal segment with two small contiguous spots covered with extremely minute, decumbent, brassy setæ. *Tibiæ* with fine yellow setæ, the anterior with three or four slender spines near the extremity.

Length,  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{5}{8}$  line.

Dunedin. One example; named in honour of its discoverer, Mr. T. Chalmer.

1856. *O. micrarthrum*, n.s. *Shining*, dark-chestnut, the thorax and a large oblique space on each elytron paler and redder, legs fulvescent; six terminal joints of antennæ brownish-black, the others rufo-fulvous; clothed with yellowish-grey hairs, those on elytra shortest.

*Head* moderately broad, finely, regularly, and moderately closely punctured, frontal impressions elongate, posterior small, round; genæ a little dilated behind the eyes; neck nearly smooth. *Antennæ* moderate, fourth joint small and bead-like, tenth transverse. *Thorax* one-third broader than long, sides narrowed but nearly straight behind, rounded elsewhere, basal angles quite rectangular; rather evenly and finely punctate, discoidal impressions rather broad and shallow. *Scutellum* almost smooth. *Elytra* quite parallel-sided, oblong, apices truncate along the middle; dorsal impressions rather broad and long, so that the suture appears a little raised; closely and finely punctate. *Hind-body* not longer than elytra, scarcely as broad, very finely and densely sculptured, last segment very narrow and short.

The small fourth antennal joint, and the fact that only four broad dorsal segments are exposed, in conjunction with the slender simple tibiæ and small tarsal claws, render its identification easy.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Stratford, near Mount Egmont. One female.

1857. **O. cognatum**, *n.s.* *Glossy*, nigro-castaneous, thorax castaneous, legs rufo-testaceous; tarsi and palpi fulvous; five basal joints of antennæ reddish, the others dark-fuscous; nearly nude, hind-body only pubescent, with minute greyish hairs.

*Head* broadly trigonal, a little uneven, except the smooth frontal portion, distinctly punctate; frontal impressions rather broad, not deep, the occipital small and round. *Thorax* transverse, sides rounded towards the front, sinuously narrowed behind; basal angles rectangular, anterior a little depressed; discoidal sculpture like that of the head, nowhere impunctate; its two depressions moderately shallow, the sides a little flattened towards the base and with fewer punctures there, the lateral impressions broad, extending from near the base to beyond the middle. *Scutellum* with minute sculpture near the base. *Elytra* broader than thorax, quite oblong, the apices, conjointly, forming one slight broad curvature, but strongly rounded at the angles; their punctuation in rows, with longitudinally-raised intervals, so as to appear striate. *Hind-body* just about as long and broad as the elytra, finely sculptured. *Tibiæ* with fine yellow setæ.

No. 216 is, without doubt, its nearest ally; the thoracic impressions are more strongly marked, but are without the smooth median interval and borders; in both species the frontal impressions, when examined sideways, appear to extend from the forehead to near the base, and seem to be limited in front by raised margins, which, however, do not extend right across; *O. sulcithorax* is more brightly coloured.

Length,  $1\frac{1}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Tuakau, Lower Waikato. One individual.

1858. **O. monilifer**, *n.s.* *Slender*, subdepressed, elongate, a little shining, smoky-brown, legs fuscous and testaceous, tarsi and palpi obscure-testaceous.

*Head* nearly as large as thorax, trigonal, moderately punctured, minutely longitudinally rugose near the eyes, nearly smooth in front; posterior foveæ small, frontal impressions oblong. *Antennæ* slender, not short, the last six joints fuscous, the others more or less testaceous; second joint barely half the bulk of the first, third slightly longer than second, slender at base; joints 4-6 almost moniliform, fourth very small, more slender than fifth; 6-11 broader than the preceding ones, ninth and tenth quite transverse. *Thorax* rather broader than long, strongly rounded laterally, narrowed, but nearly straight, behind the middle; posterior angles rectangular, the front ones depressed; the punctuation regularly distributed, discoidal impressions broad but not deep, with a few fine grey hairs. *Scutellum* smooth. *Elytra* longer than broad, parallel, truncate behind; somewhat broadly but not deeply impressed lengthways behind the base, moderately closely and regularly punctured, almost in rows; they bear slender but not very short greyish hairs. *Hind-body* about equal to elytra in size, with rather longer pubescence, sculpture fine. *Tibiæ* with fine pallid setæ. *Underside* castaneous, finely sculptured and clothed; basal ventral segment with an extremely narrow carina, the fifth pallid and apparently membranous behind, appearing as if it were widely incurved behind, it is smoother than the others.

Length,  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{4}$  line.

Whangarata, near Tuakau. Three examples, not agreeing exactly, one having dark concolorous antennæ.

1859. *O. debile*, n.s. Narrow, elongate, depressed, shining; clothed with small, inconspicuous, greyish hairs; almost wholly blackish, legs fusco-testaceous, five basal joints of antennæ nearly similar to the legs as regards colour.

*Antennæ* short; third, fourth, and fifth joints small, third rather longer than fourth; joints 6-10 transverse.

Very much like *O. monilifer*; antennæ very much shorter; body narrower, flatter; the pubescence less easily seen; basal dorsal segment densely fringed with minute grey hairs, and, like that species, with a small spot on the second segment formed of minute grey hairs or scales.

*Underside* closely sculptured, less shining than *O. monilifer*, abdominal segments simple.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{1}{8}$  line.

Mount Egmont. Three individuals, probably all females.

1860. *O. prolixum*, n.s. Narrow, very elongate, shining, chestnut-red, legs fulvous, tarsi yellow; pubescence fine, greyish-yellow.

*Head* finely but distinctly punctate, frontal impressions well marked, the occipital small and round; eyes rather prominent. *Antennæ* rather slender, second joint about half the length of the first; third obconical, but little longer than broad; fourth and fifth small, bead-like; 6-10 more or less transverse; eleventh not



elongate. *Thorax* transverse, sides strongly rounded in front, sinuously narrowed behind; basal angles rectangular; the surface finely punctate, its two dorsal impressions well marked and extending forwards to beyond the middle, each side also impressed. *Scutellum* smooth. *Elytra* somewhat longer than broad, parallel, slightly wider than thorax, apices nearly truncate; finely and closely punctured, feebly impressed near the base. *Hind-body* as wide as elytra, twice their length, not flat, lateral margins nearly plane, there being only a linear depression to distinguish them from the middle part, finely punctate. *Tibiæ* simple, the intermediate rather short.

In some respects like *O. sagoloida*, altogether narrower, colour different, elytral sculpture not obsolete behind.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{1}{4}$  line.

Taieri, Otago. One specimen, from Mr. S. W. Fulton.

1861. *O. stenosoma*, *n.s.* *Elongate*, narrow, parallel, sub-depressed, shining, clothed with distinct yellow hairs; chestnut-red, with slight variations, tarsi and palpi yellow, legs rather darker, antennæ fulvescent.

*Head* somewhat rounded, finely punctured, the space between the frontal impressions nearly smooth. *Palpi* with the terminal joint elongate and narrow. *Antennæ* elongate, the last six joints larger than the preceding ones, each broader than long. *Thorax* rather broader than long, widest near the front; its sides finely margined, strongly rounded, much narrowed behind, basal angles rectangular; its punctuation rather more distinct than that of the head; it has two broad dorsal depressions which extend nearly to the apex, and one at each side behind the middle. *Elytra* oblong, distinctly and regularly punctured, not striate, with an elongate depression at each side of the suture, apex truncate. *Hind-body* very much longer than the elytra, parallel, not depressed, broadly margined, very finely punctured. *Tibiæ* simple; the four basal joints of the tarsi shorter than the apical one.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{4}$  line.

Mount Cook. One specimen, sent by Mr. H. Suter.

### Ischnoderus.

1862. *I. pictulus*, *n.s.* *Depressed*, very elongate, parallel, shining; head rufo-piceous, frontal portion paler; thorax fulvescent, dark along the middle; elytra testaceous, suffused with a blackish colour behind; hind-body not so pale as basal portion of elytra, second, third, and fourth segments with a fuscous patch near each side, the fifth with a transverse band of the same colour; legs fulvescent; six last joints of antennæ opaque, densely pubescent, fuscous, the others reddish.

This species most nearly resembles *I. genalis* (No. 220); the head is shorter behind the eyes and altogether smaller. *Thorax* more transversal and more gradually narrowed behind. *Elytra* smaller,

yet quite oblong, their punctures not forming striæ. *Hind-body* longer, the extremity of each segment pallid, apparently membranous, and finely and densely sculptured. The whole insect much more elongate and slender.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{1}{4}$  line.

One example, found near Howick.

1863. **I. morosus**, *n.s.* *Fusco-castaneous*; the sides and base of thorax, scutellum, and shoulders chestnut-red; hind-body castaneous, the basal and apical segments paler; legs, palpi, and five basal joints of antennæ rufo-fulvous, the other joints blackish.

*Head* large, slightly uneven, less distinctly punctured in front than elsewhere, its four impressions well marked; it bears some slender yellow hairs. *Thorax* transverse, its sides rounded in front, gradually narrowed behind, hind angles rectangular; the two discoidal impressions distinct, the surface clothed and sculptured like the head. *Elytra* oblong, apices subtruncate; their punctuation in series, appearing to form striæ, and with slightly-elevated longitudinal interstices; almost destitute of pubescence. *Hind-body* almost as broad as and rather longer than elytra, densely and minutely sculptured, and also with fine indistinct punctures; near the middle of each side of the four basal segments there is a small smooth spot; pubescence yellowish, shorter and more erect on the penultimate segment.

When compared with No. 220 it will be noticed that the head of this species is more narrowed in front so that it does not seem as large, it is also more rough-looking, owing to the larger punctures and rugose intervals; the sculpture of the thorax and elytra is coarser; the sides of the thorax towards the base are more depressed; the basal dorsal segment in my specimen is entirely exposed, instead of being more than half covered as in *I. genalis*.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{3}$  line.

One example, found near Howick.

1864. **I. fultoni**, *n.s.* *Subparallel*, depressed, a little shining; variegated-chestnut, thorax of a paler reddish-chestnut colour; the legs and five basal joints of antennæ rufo-fulvous, the other articulations fuscous.

*Head* as large as thorax, rather narrow for this genus, straight behind the eyes, minutely sculptured all over, and finely but distinctly punctured, but with fewer punctures in front; interocular impressions distinct; clypeus and labrum testaceous, membranous. *Antennæ* longer than head and thorax; basal joint stout, slender at base; second much shorter and narrower; third longer than second, but more slender; fourth and fifth bead-like; 4-10 more or less transverse. *Thorax* a good deal broader than long, widest near the front; anterior angles rounded, the posterior rectangular, but not acute, the sides a little sinuated and narrowed in front of the latter; the entire surface is minutely sculptured, the punctuation moderate, more sparing along the middle and in front,

there are two dorsal impressions behind, and the sides are broadly impressed. *Scutellum* minutely transversely strigose. *Elytra* rather wider than thorax, oblong, slightly narrowed towards the base, apices subtruncate and densely minutely ciliated; punctuation distinct, nearly quite serial, a little less evident behind; they bear a few short, yellowish hairs. *Hind-body* longer than but hardly as broad as elytra, its pubescence elongate and slender, but very short and erect on the two apical segments; the basal segment fringed with minute brassy hairs, the second with a rounded median spot covered with similar pubescence; the sculpture fine.

*Ischnoderus tectus*, No. 219, is the nearest ally, which, however, has a shorter and flatter hind-body, and with the middle and posterior tibiæ straight, instead of being bent inwardly, as is the case in *I. fultoni*, which, moreover, is a rather larger insect. This species, I consider, forms a connecting link between *Omalium* and *Ischnoderus*.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{8}$  line.

*Taieri*. It bears the name of its discoverer, Mr. S. W. Fulton, of Outram.

## Omalissus.

*Nov. gen.*

The following characters distinguish this genus from *Omalium*:—

*Palpi* with the terminal joint much more slender, quite acuminate. *Labrum* large, deeply and widely emarginate in front, appearing bilobed. *Antennæ* inserted below the front edge of the forehead at the sides; the *forehead* quite truncate in the middle, exposing the large membranous clypeus; *antennæ* gradually thickened. *Mandibles* rather large and prominent. *Scutellum* absent. *Tarsi*, anterior and intermediate, with the four basal joints considerably expanded, the posterior elongate and slender; *claws* unequal, those of the hind tarsi well developed, the anterior quite minute.

1865. *O. castaneus*, *n.s.* *Parallel*, subdepressed, moderately shining; castaneous, head and thorax darker, lateral margins of the latter rufescent, legs and antennæ obscure-red, tarsi yellowish, mandibles glossy red, clypeus, labrum, and its membranous appendage more or less pallid.

*Head* subtrigonal, not contracted just behind the eyes, but abruptly narrowed towards the neck; finely punctate; ocelli not at all conspicuous, situated on the hind part close to the neck; frontal and occipital impressions obsolete or altogether wanting. *Antennæ* finely pubescent, rather short; second and third joints equal, rather shorter than first; joints 4–10 differing but little, 6–10 transversely quadrate, eleventh ovate. *Thorax* about one-third broader than long, base and apex truncate, touching the elytra; the sides finely margined, but little rounded, slightly narrowed behind, basal angles obtusely rectangular, the anterior rounded but scarcely depressed; disc slightly convex, without depressions, a little flattened near the hind angles, finely and closely punctured. *Elytra* a little broader



than thorax, oblong, subparallel, apices slightly curved, more strongly at the outer angles; they are feebly impressed behind the base, their sculpture similar to that of the thorax, and, like it, clothed with minute greyish hairs. *Hind-body* rather longer but hardly broader than the elytra, finely sculptured, clothed with distinct yellowish hairs. *Legs* rather short and stout, front tibiae gradually expanded, apices oblique, spinulose; the two hind pairs with fine yellow setae, the posterior rather slender.

♂. Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Port Chalmers. One male only, found by Mr. T. Chalmer.

## Group—PSELAPHIDÆ.

### Tyrus.

1866. **T. armatus**, *n.s.* *Convex*, somewhat narrowed anteriorly, nitid; head, thorax, hind-body, and antennae dark-rufous, legs and elytra paler, palpi and tarsi yellow; sparingly clothed with elongate, erect, yellowish hairs.

*Head* about as broad as thorax, with interocular foveae and a distinct interantennal furrow; eyes prominent. *Antennae* longer than head and thorax, stout; basal joint large; second scarcely longer but thicker than third; fifth rather larger than contiguous ones; ninth and tenth much larger than eighth, obconical; eleventh largest, suboblong, not acuminate. *Prothorax* longer than broad, convex, widest near the middle; smooth, but with a curved impression near the base, terminating at each side in a fovea. *Elytra* rather longer than thorax, twice its breadth, rather broader behind than in front; each with a sutural stria, deepest at the base, and a short, deep intrahumeral impression; they are impunctate. *Hind-body* rather short, convex, much deflexed behind, without sculpture. *Legs* long and stout, two front pairs of tibiae flexuous; posterior slightly bent and thickened, and on the inside, near the apex, armed with a large angular protuberance; tarsal claws small.

The armature of the hind tibiae at once differentiates this species. The head is decidedly broader than in *T. mutandus*, the thorax is more convex and hardly contracted at all in front; the legs are more robust, and the antennae are longer and stouter, the three last joints forming a long, laxly-articulated club.

♂. Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Near Howick. One specimen.

### Pselaphus.

1867. **P. citimus**, *n.s.* *Elongate*, narrowed anteriorly, shining, scantily clothed with minute pallid hairs; red, palpi and tarsi yellow.

*Head* elongate, oviform, the channel between the frontal processes expanded into a broad interocular cavity, having a linear prolongation on the vertex; eyes moderate, coarsely granulated. *Antennae* longer than the head and thorax, the two basal joints stout, cylindric, second half the length of the first, joints 3–8 differ but

little from one another; ninth and tenth large, about equal; eleventh larger than tenth, obliquely pointed. *Thorax* half the width of the elytra, longer than broad, convex, medially dilated, without impressions. *Elytra* as long as thorax, much narrowed towards the base; with well-marked sutural striæ, deepest in front, but without other definite sculpture. *Hind-body* broad, widely margined at the sides, basal segment ample, smooth. *Legs* elongate, posterior tibiæ straight inwardly, but, externally, curved and expanded near the extremity.

*Underside* of basal ventral segment densely fringed with bright-yellow pubescence, as in *P. delicatus*.

Allied to No. 1153, but at once differentiated by its smaller size and differently-formed maxillary palpi, which in this species are much shorter than the antennæ; the second and fourth joints are considerably bent, and the latter is terminated by the usually moderate, cleft club. The thorax, though convex, does not exhibit the longitudinally-ridged appearance of *P. dulcis*. *P. cæcus* and *P. delicatus* are abundantly distinct.

Length,  $\frac{3}{4}$ ; breadth, nearly  $\frac{1}{3}$  line.

Howick. One individual only.

1868. **P. meliusculus**, *n.s.* *Shining*, chestnut-red, palpi and tarsi yellowish; sparsely clothed with short, slender yellow hairs.

*Head* ovate, the channel between the elongate, pubescent frontal elevations moderately broad and deep; between the eyes are two rounded foveæ, but, the frontal channel being interposed, the interocular space seems to consist of one large depression; the hinder portion is convex, with an indistinct median groove. *Thorax* elongate, narrow, more narrowed in front than behind, with a curved impression near the base, ending in a small fovea near each side. *Elytra*, behind, nearly twice as broad as thorax, much narrowed and curved towards the base; the sutural region depressed, and the striæ there well marked, the discoidal stria foveiform at the base but quite obliterated behind; each elytron with three rows of fine hairs, the apices ciliated. *Hind-body* with very few hairs; the basal segment large and broadly margined, second and third moderately short. *Legs* elongate; femora clavate, so that there appears to be a sort of constriction near the extremity of each; tibiæ somewhat expanded and curved towards the apex; tarsi with the second joint rather thick. *Antennæ* longer than the head and thorax, ninth joint rather longer than but not quite as broad as the tenth. *Palpi* (maxillary) elongate; fourth joint slender, much curved, its clavate portion cleft to the base and less than half the entire length.

Allied to *P. pauper*.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Mount Maungatua, Otago. S. W. Fulton.

Obs.—The following remarks will facilitate the discrimination of the New Zealand species:—

*Pselaphus pauper*.—Clavate portion of terminal joint of palpi nearly half the entire length.

*P. pilistriatus*.—Clavate portion of terminal joint of palpi about one-third of the whole length.

*P. cæcus*.—Palpi extremely slender and elongate, the clavate portion of the fourth joint very small.

*P. delicatus*.—Clavate portion of the last joint of the palpi little more than one-fourth of the entire length. The femora punctate.

*P. fuscopilus*.—Clavate portion of the last joint of the palpi less than half the entire length.

*P. citimus*.—Clavate portion of terminal joint of palpi about one-third of the whole length.

*P. dulcis*.—Clavate portion of terminal joint of palpi about two-thirds of the whole length. The thorax much compressed laterally, so that the middle appears as if ridged and very convex.

### Bryaxis.

1869. **B. euplectoides**, *n.s.* *Elongate*, much narrowed anteriorly, a little convex; sparingly clothed with pale, rather short, decumbent hairs, and a few longer erect ones behind; shining, red, legs and palpi rufo-testaceous, tarsi yellow.

*Head* nearly quadrate, rounded behind the prominent eyes, with two large foveæ, one near each eye, the front margin of these foveæ appearing as if raised towards the tubercles, the space in rear of the tubercles depressed but without obvious frontal foveæ. *Antennæ* two-thirds the length of the body; two basal joints stout; joints 3–7 nearly equal, each longer than broad; eighth little more than half the length of fifth; ninth larger than eighth; tenth twice the breadth of eighth; eleventh subovate, double the bulk of the preceding one. *Thorax* widest at the middle, its length and breadth about the same, sides strongly rounded; with a large fovea near each posterior angle and a smaller one intervening not distinctly united by a linear transverse impression. *Elytra* no longer than broad, a good deal narrowed towards the shoulders; sutural striæ broad and deep, the stria beyond abbreviated but nearly as well marked, sometimes prolonged to the apex as a curved aciculate impression; their surface seems as if marked with punctures or minute elevations, depending on the way they are looked at. *Hind-body* quite as broad as wing-cases, widely marginated, basal segment nearly twice as long as second, the others deflexed, impunctate. *Legs* elongate, posterior tibiæ slightly bent near the extremity.

Male. Sexual distinction, legs thickened.

Nearly related to *Startes sculpturata*, the head, however, much shorter, less elevated on the vertex, and not prolonged anteriorly. Eyes large and prominent, instead of being very small as in that species. Maxillary palpi shorter, the second articulation unusually slender from its base to the clavate apex. *Antennæ* more slender. It is quite distinct from any *Bryaxis* known to me, the elytra are less convex than in *B. inflata*, and much less curvedly narrowed between the base. The elytral striæ are peculiar.

The discovery of this species, which is intermediate between *Bryaxis* and *Startes*, would seem to invalidate the latter genus.

Length,  $\frac{5}{8}$ – $\frac{3}{4}$ ; breadth,  $\frac{1}{4}$  line.

Found near Howick. Three examples.



1870. **B. decens**, *n.s.* *Shining*, nearly glabrous; dark-red, elytra paler, legs chestnut-red, tarsi and palpi yellow.

*Head* broadly impressed in front, not distinctly foveate there, with two small foveæ on the vertex. *Thorax* widest behind the middle, unimpressed. *Elytra* moderately large, the sides rounded, widest behind the middle, with distinct sutural striæ. *Hind-body* deflexed, not distinctly pubescent. *Legs* elongate and slender; posterior tibiæ flexuous.

*Underside* reddish, with some fine hairs. *Metasternum* with a broad shallow impression behind. Basal segment of *abdomen* bituberculate, the tubercles bearing erect, slender, yellow setæ.

*Antennæ* moderately elongate; second joint narrow and shorter than the first; fifth distinctly longer than the third or fourth; sixth and seventh nearly equal, as broad as the fifth, but shorter; eighth small, subquadrate; ninth joint large, abruptly incrassate, its basal portion, at one side, where it is articulated to the preceding one, not half the width of the larger part; this is subquadrate, with its inner angle impressed and rectangular; the apex, at the other side, has a small spiniform process; tenth joint nearly as large as the ninth, its extremity rounded, and with an angular prominence near the side.

The form of the two terminal joints of the antennæ will enable entomologists to identify it.

♂. Length,  $\frac{5}{8}$ ; breadth, quite  $\frac{1}{4}$  line.

Paparoa, near Howick. Two males.

1871. **B. munroi**, *n.s.* *Impunctate*, shining, red, head and thorax darkest, tarsi fulvous; clothed with elongate conspicuous hairs.

*Head* uneven, the sides broadly raised, the interval depressed, owing to the foveæ appearing confluent, the interocular foveæ well marked. *Thorax* widest before the middle, each side with a fossa-like contraction behind. *Elytra* ample, somewhat curved laterally, sutural striæ fine but distinct. *Legs* elongate; posterior tibiæ a little bent near the extremity; basal articulation of hind tarsi armed with an elongate, spiniform, slender process extending more than half-way along the second joint. *Underside* pubescent.

*Male*. *Antennæ* hirsute, 10-articulate; basal joint longest, cylindric; second and third joints longer than broad; fourth rather shorter than these; fifth nearly twice the length of fourth; sixth shorter than the preceding one; seventh almost quadrate; eighth transverse; ninth largest, nearly obconical, not exactly truncate at apex, acuminate towards one side at the extremity; tenth almost rotundate, with a short, broad, terminal protuberance, hollowed out underneath; the two apical joints asperate. *Prosternum* somewhat granulated on the middle. Anterior *coxæ* armed with elongate spines. Basal segment of *abdomen* very large, bearing a pair of spiniform tubercles near its extremity; intermediate segments much reduced, almost linear.

*Female*. *Antennæ* similar in structure to those of the other sex, except as follows: 11-jointed; ninth joint considerably larger than

eighth, quadrate; tenth nearly twice the breadth of its predecessor; eleventh largest, subovate, obtusely prominent at apex.

In facies this species resembles Nos. 234, 235, and 1699. *B. dispar* is at once differentiated by the form of the terminal joints (9 and 10) of the antennæ. In *B. impressifrons* all but the four basal joints of the antennæ have a roughened aspect; and the protuberance of the penultimate articulation assumes the form of a hook directed backwards; and, moreover, the sculpture of the head and thorax is altogether different. In *B. fraudulenta* the last six antennal joints are rough-looking, and, what is more characteristic, the head is angularly produced between the antennæ, and seems plane above when viewed in certain ways.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

The species is dedicated to Mr. George Munro, of Clevedon, to whom I am indebted for seven specimens, as well as numerous examples of other species of this interesting group.

1872. **B. forficulida**, *n.s.* *Elongate*, convex, nitid; elytra and legs of a paler red than the other parts of the body.

*Antennæ* stout, not short, pubescent, 10-articulate; basal joint rather larger than second, and somewhat flattened above; third and fourth nearly equal, and bead-like; fifth not so large as second, yet larger than the preceding one; sixth shorter than fifth; seventh and eighth quite transverse; ninth large, subquadrate, oblique at apex, foveate below; tenth as broad as ninth, at least one-third longer, obtusely pointed; these two terminal joints roughish. *Head* smooth, frontal foveæ obsolete, the vertical small but distinct. *Thorax* unimpressed, widest before the middle. *Elytra* oblong, sutural striæ finely marked; they bear some minute brassy hairs. *Hind-body* much narrowed posteriorly, as long as elytra, not much deflexed, pubescent, its segments very distinct, the terminal furnished with a pair of yellow forceps. *Legs* elongate, hind tibiæ a little flexuous.

This very curious creature is, I believe, without parallel in the *Pselaphidæ*. The elytra and hind-body, conjointly, form an elongate-oval figure terminating in a pair of appendages not unlike those of an earwig. The antennæ nearly resemble those of Nos. 236, 239, and other allied forms. Fem. incog.

♂. Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

The only specimen I have seen was picked out from a collection which was sent by Mr. George Munro, of Clevedon.

1873. **B. foveatissima**, *n.s.* *Body* infusate, glabrous, shining, and, owing to the abruptly-deflexed abdomen, appearing somewhat shortened behind, where it is broadest; legs and antennæ yellow.

*Head* subquadrate; antennal tubercles but little elevated, and seeming to form a continuous smooth linear space between the antennæ, immediately behind this there is a row of four small but distinct foveæ, and on the vertex two other foveæ. *Antennæ*

moderately short and stout, pubescent; second articulation nearly as long as the exposed portion of the basal one; third rather longer than fourth, both of which are narrowed towards the base; fifth distinctly broader but not longer than third, not symmetrical, being a little cut away towards one side; joints 6-8 broader than the preceding ones, transverse, united together by narrow central stalks, so that evident gaps exist between the wider parts; ninth largest, oblong, with a median cavity near the front; tenth half the bulk of the penultimate, obtusely produced, the two last-mentioned punctate. *Thorax* smooth, widest before the middle. *Elytra* large, widest behind, sutural grooves deeply impressed. *Hind-body* smooth, very sparingly and indistinctly clothed, nearly vertical. *Legs* stout; anterior tibiæ medially incrassate; intermediate gradually dilated, but tapered off near the extremity; posterior bicurvate, inwardly nearly the base and outwardly beyond.

The laxly-articulated sixth, seventh, and eighth antennal joints, and the presence of four frontal foveæ, will lead to the recognition of this species. The former character is not, I find, confined to this species. Its nearest allies are *B. impar* and *B. munda*. The structure of the underside I have been unable to examine.

♂. Length,  $\frac{5}{8}$ ; breadth, quite  $\frac{1}{4}$  line.

Discovered near Clevedon by Mr. G. Munro. Only one has been obtained as yet.

## Dalmisus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 381.)

*Antennæ* rectæ, undecimarticulatæ. *Palpi* maxillares breves, simplices, articulo ultimo ovale. *Caput* superne subproductum, supra antennis fortiter tuberculato-elevatum, his sat approximatis. *Tarsi* unguiculo unico. *Abdomen* e segmentis ventralibus sex, dorsalibus quinque, compositum.

The insect for which I establish this genus is not at all closely allied to any other European or exotic form known to me. It has the aspect of a *Batrisus*, but in Reitter's arrangement of the family would apparently be placed in the *Pselaphini*. The first ventral segment behind the coxæ is quite short, and is strongly carinate-elevate between the coxæ which are approximate; the following segments are short, the second being, however, as long as the third and fourth together, the fifth short and transverse; the sixth in the male (from which this description is taken) is large at the side, but in the middle is cut away nearly to the base. The first visible dorsal segment is rather short, but longer than the second; this, as well as the third and fourth, are subequal, the apex much deflexed, the two or three basal segments obscurely margined at the sides, with greater inequality in the lengths of the segments. The *palpi* are similar to those of *Batrisus*. The front *coxæ* are exerted, and rather elongate. The *tarsi* consisting apparently of two elongate joints, but there is also really a minute basal joint; the single claw is elongate.



The genus in the New Zealand list should be placed before *Dalma*, from which it is distinguished by the shorter hind-body, and the produced front of the head.

In the *Verh. Ver. Brunn*, xx., p. 197, Reitter has briefly indicated a New Zealand genus which he calls *Adalmus* (hitherto without described species), but which, from the brief characters given, evidently cannot be the present genus.

1874. **D. batrisodes**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 382.) *Subgracilis*, rufus, tenuiter pubescens, antennis pedibusque gracilibus; *prothorace* elongato, tricanaliculato, canaliculis ad basin foveolatis, impressione basale transverso profundo. *Elytris* elongatis, basi intra humeros profunde impresso.

Long.,  $2\frac{1}{4}$ mm.

*Antennæ* with the basal joint thicker than those following, and about as long as the second, third, and fourth together; the three terminal joints slender, though stouter than the others. *Head* with small eyes, which are prominent only in front; in front of them a good deal produced, the genæ delicately but elongately setose. *Thorax* as long as broad, much narrowed in front and behind. *Elytra* without punctuation, but with a sutural stria, and a large deep intrahumeral impression. The male has a very small spine on the intermediate trochanters.

This species was sent me from Greymouth by Mr. Helms some time ago. Though it is probably known to Herr Reitter, as Mr. Helms has been in the habit of transmitting his *Pselaphidæ* to him, it does not appear to have been yet described.

### **Sagola** (Gen., p. 134).

1875. **S. insignis**, *n.s.* *Nitid*; elytra and legs yellowish, the other parts chestnut-red; pubescent.

*Head* nearly triangular, its hind angles much dilated laterally, so as to exceed the thorax in width, convex; the channel between the tubercles expanded behind into an elongate-triangular depression, the broadest part of which is in front; there are no other foveæ; it is sparingly clothed with long slender yellow hairs. *Eyes* moderate, with coarse facets. *Antennæ* half the length of the body; basal joint robust, cylindric; third considerably smaller than the contiguous ones, ninth and tenth transverse, not at all moniliform. *Thorax* cordiform, widest near the front, much contracted behind, clothed like the head; with a large angular median depression before the base, there are two smaller foveæ at each side of the base, the outer being placed in the large lateral depression near the posterior angle; its base is slightly sinuated and very finely margined, the space intervening between it and the wing-cases finely and densely strigose. *Elytra* longer than broad, narrowed towards the shoulders, apices very obtusely rounded; sutural striæ deep, the intrahumeral marks appearing to consist of two punctiform impressions; they bear longish erect yellow hairs.

*Hind-body* larger than elytra, covered with decumbent and elon-

gate upstanding hairs; the dorsal membranous segment apparently nude, but minutely and densely sculptured.

*Legs* stout, tibiae a little arched externally, the posterior much narrowed towards the apex, where they are ciliated with straight hairs.

*Underside* pubescent, the three basal segments densely fringed. Head with bright-yellow pile near the mentum, the dilated parts concave.

No. 1157 (*S. genalis*) is its nearest ally. The head is formed as in *Cucujus*; our *Dryocora* will afford a good illustration.

♂. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{2}{3}$  line.

Mr. Sandager was kind enough to send me a specimen from Mokohinou Island.

1876. **S. hirtalis**, *n.s.* *Robust*; antennæ, head, and thorax dark-red, abdomen chestnut-red, elytra and legs yellowish.

*Head* seemingly finely punctate or granulate according to the light in which it is viewed, smaller than thorax, much rounded behind (from the eyes backwards); the tubercular groove extending back as far as, or beyond, the middle, forming a triangular fovea the apex of which is directed backwards; there are two elongated foveæ behind, separated by a rather narrow, almost raised space; the long but slender yellowish hairs are decumbent and disposed transversely so as to cover the frontal depressions, those on the sides are directed outwards and cause a ciliated appearance. *Antennæ* stout. *Thorax* cordate, widest near the middle; with a large depression between the middle and the base, one at each side, and an intermediate smaller fovea; more finely sculptured than the head; most of its clothing concentrated on the sides. *Elytra* broader than thorax, not much longer than broad, a little contracted near the shoulders; sutural striæ well marked, intrahumeral impressions elongate and entire. *Hind-body* scarcely broader than elytra, broadly marginated, slightly rounded laterally, basal segment covered with minute brassy scales or setæ, and fringed behind with shorter hairs than those which cover the other segments, apical segment rather prominent and narrow. *Legs* robust; tibiae outwardly arcuated, the posterior rather densely and coarsely ciliated near the extremity on the inner as well as the outer edge; tarsi rather short; claws rather large, stout, and curved.

This peculiar species may be readily known by the unusual disposition of the hairs on the head, and by the ciliæ on the hind tibiae, which, on the inner apex, are so congregated as to assume the appearance of a broad projecting process, leaving a deep narrow notch between the tarsus and ciliæ.

♂. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{1}{4}$  line.

One example, found near Howick.

1877. **S. sobrina**, *n.s.* *Shining*; head and thorax dark-red, antennæ red, abdomen castaneous, elytra and legs rufo-testaceous; bearing yellow hairs.

This species, though somewhat akin to *S. elevata*, differs from it as follows :—

The *head* is broader behind, but not angularly dilated laterally as in *S. genalis* and *S. insignis*. The *elytra* are shorter, and more narrowed towards the base. The *hind-body* is a good deal more elongate. The *tibiæ* are less arched, nearly straight in fact. The *tarsi* are evidently shorter. The whole contour of the body is different, being narrower and more elongate.

Length,  $1\frac{1}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Mokohinou Island. Mr. Sandager.

1878. ***S. rectipes***, *n.s.* *Shining*, yellowish, rather pale, the antennæ, head, and thorax slightly rufescent; clothed with pallid hairs; subdepressed, elongate and narrow.

*Head* moderately rounded behind the eyes, having two distinct rounded foveæ on the occiput, the frontal furrow prolonged as far back as the middle of the eyes, not very broad; the tubercles much flattened. *Eyes* not prominent. *Antennæ* half the length of the body. *Thorax* cordiform, convex in front, widest near the middle, its impressions small. *Elytra* quite oblong, slightly narrowed anteriorly, intrahumeral impressions elongate. *Hind-body* not greatly exceeding the elytra in size, no wider. *Legs* long and slender, *tibiæ* not externally curvate, only gradually widened towards the extremity.

The narrow, elongate form and straight *tibiæ* are distinctive.

Length, 1; breadth,  $\frac{1}{4}$  line.

Tairua.

1879. ***S. insolens***, *n.s.* *Body* robust; head and thorax red, abdomen castaneo-rufous, elytra and legs rufo-testaceous, basal joint of antennæ red, the others become paler; pubescent.

*Head* somewhat rounded behind, almost as broad as the thorax; the antennal tubercles behind on the same plane as the head itself; their channel not continued further back than the front part of the eyes, and not expanded or foveiform, occipital foveæ small; it bears some pale hairs, and seems as if punctate. *Eyes* convex. *Antennæ* stout. *Thorax* cordate, widest before the middle, with the usual fossa behind the middle, a small one near the hind angle, the lateral depression large. *Elytra* broader than thorax, broader still behind, not twice as long as broad, the intrahumeral impressions consisting of a basal puncture and elongate groove. *Legs* stout, *tibiæ* slightly arched outwardly, armed with a distinct spur at the inner apex; anterior femora with a deep wide notch underneath near the base.

*S. convexa* is the nearest form, it has the same excision of the front thighs, but *S. insolens* has hardly any trace of a frontal fovea, and joints 4–6 of the antennæ are decidedly larger.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Found near Howick; two individuals only.



1880. **S. punctata**, *n.s.* *Elongate*, narrow, subdepressed, pubescent, shining; rather pallid, head, thorax, and antennæ reddish, legs yellow, the rest of the body somewhat testaceous.

*Head* moderate, not narrowed behind, but without angular dilatation, nearly trigonal, the frontal sulcus extending as far as the back part of the eyes, there are two small foveæ behind, the antennal tubercles moderately elevated, its surface finely and distantly, yet quite evidently, punctured. *Antennæ* not quite half the length of the body, normal. *Thorax* broadest near the middle, with the common dorsal depression and foveæ, its punctation less noticeable than that of the head. *Elytra* quite oblong, slightly narrowed in front, their striæ and intrahumeral impressions distinct, these latter divided into two. *Hind-body* not much longer than elytra, its basal segment, near the apex, densely covered with minute, depressed, brassy setæ, the other clothing as usual. Legs long and slender, tibiæ feebly curved outwardly, tarsi and claws slender. *Eyes* convex.

Such species as *S. brevitarsis*, *S. duplicata*, and *S. tenuis* make the nearest approach to it. In *S. tenuis* the eyes are very small and almost depressed. In *S. duplicata* the head is more convex and quite obviously narrowed posteriorly. In *S. brevitarsis* the lateral thoracic fossa is prolonged anteriorly, like a groove, separating the disc from the dilated side of the thorax. The punctation of the head, of itself, might render its identification a simple process.

Length, 1; breadth,  $\frac{1}{4}$  line.

Tairua; 1886.

1881. **S. fulva**, *n.s.* *Shining*, fulvous, clothed with short and elongate yellow hairs.

*Head* nearly as broad as thorax, obtusely rounded behind the eyes, finely and indistinctly punctate, regularly convex, occipital foveæ narrow, the frontal large and deep; tubercles raised, divided by a narrow channel. *Antennæ* moderately elongate; first joint cylindric; second as long as broad, oviform; third smallest, narrow at base; fourth and fifth equal, oblong-oval, distinctly longer than broad; sixth shorter than the preceding one, stout; 7-10 nearly similar to one another, transverse; eleventh, including the false terminal articulation, cone-like. *Thorax* cordate, post-median fossæ large, the lateral indistinctly prolonged forwards, the two basal impressions small, quite punctiform. *Elytra* short, contracted basally, sutural striæ well marked, intrahumeral impressions nearly divided into two parts. *Hind-body* without scales, pubescent, large. *Legs* moderate, two hind pairs of tibiæ regularly curved outwardly.

This, and the two following species, have been carefully compared with every one of the previously-described species, and, although no very salient points of difference can be detected above, I feel sure they are really distinct.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Clevedon. One example; Mr. G. Munro.

1882. **S. ruficeps**, *n.s.* *Nitid*, head and thorax red, elytra and legs fulvous, hind-body castaneo-rufous; pubescent.

*Head* dilated behind the eyes, less so in the female, frontal channel broad and elongate, occipital foveæ well marked, not rounded, tubercles distinct. *Thorax* like that of *S. fulva*, but with the lateral foveæ well limited, not at all prolonged anteriorly. *Elytra* ample, narrowed towards the base, the sides rounded behind; sutural striæ with two or three basal punctures. *Hind-body* narrower than elytra, basal segment covered with minute brassy scales. *Legs* stout, two hind pairs of tibiæ gradually expanded, narrowed and ciliated outwardly at extremity.

This is a form which, owing to the shape of the head, comes near *S. genale* and its allies. The elytra are much larger than in *S. fulva*, but the hind-body is narrower. The *antennæ*, though nearly similar, have a longer basal joint. The terminal joint of the *palpi* is more slender; in *S. fulva* it is broad and subsecuriform. The insect too is of different outline, the hind-body of *S. fulva* being rather broader than the wing-cases.

♂. Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Clevedon. Three individuals were brought to me by Mr. G. Munro.

1883. **S. parallela**, *n.s.* *Sanguineous*; elytra, legs, and antennæ paler; palpi and tarsi yellow; pubescence yellowish.

*Head* broad, the cheeks, or parts behind the eyes, not prominent; frontal impression elongate, occipital foveæ small and round; tubercles raised, scarcely separated in front; eyes small, much less conspicuous than in *S. fulva* and *S. ruficeps*. *Antennæ* rather gradually incrassated; joints 3-5 bead-like, third smallest; 6-10 transverse. *Thorax* a good deal narrowed in front and behind, the middle widest; impressed as in *S. fulva*, but with the lateral foveæ extending forwards, so that the middle of each side appears tumid and of a paler red than the rest of the surface. *Elytra* oblong, but little broader behind than in front, the sculpture of the ordinary kind. *Hind-body* elongate, parallel, without scales. *Tibiæ* arcuate externally, tarsi and claws rather thick.

This is easily distinguished from *S. fulva* and *S. ruficeps* by the parallel outline, swollen sides of thorax, and by the transversal joints (6-10) of the antennæ. In some other species the thorax is very similar, but these are well differentiated. The *body* is not distinctly punctured.

Length,  $1\frac{1}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Clevedon. One example; Mr. G. Munro.

1884. **S. anisarthra**. *n.s.* *Shining*, vinous-red, hind-body darker, legs and antennæ fulvescent, tarsi and palpi yellow; pubescence yellow, rather slender and elongate.

*Head* of moderate size, not angulate behind; frontal tubercles somewhat flattened, the distinct intervening channel extending

backwards as far as the hind margin of the eyes, posterior foveæ small; eyes prominent. *Antennæ* about as long as the head and thorax; basal joint large, cylindric, twice as long as but not broader than the bead-like second joint; third very small, hardly more than half the size of the preceding one; fourth and fifth abruptly enlarged, transversal, equal; joints 6-8 decrease, the sixth a little smaller than the fifth, the eighth rather larger than the third; ninth and tenth transverse, obviously smaller than the fourth or fifth; eleventh moderately large. *Thorax* a good deal rounded anteriorly, with a large fovea at each side behind the middle, the median basal one also large, the two near the basal margin quite punctiform and small. *Elytra* oblong, slightly narrowed towards the front; with well-marked sutural striæ; the intrahumeral impressions consist of a basal puncture and elongate depression, and between these and the suture, at the base, there is a distinct puncture. *Hind-body* apparently impunctate. *Tibiæ* arched externally. The three basal segments, underneath, densely ciliate.

The enlarged intermediate articulations of the antennæ will at once lead to the recognition of this species. It is unusually dark in colour, even the wing-cases being without the least tinge of yellow.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Moeraki. Mr. Sandager; one example.

### Exeirarthra.

*Nov. gen.*

*Form* like *Sagola*, but exhibiting the following disparities in structure:—

Terminal joint of the maxillary *palpi* oblong-oval, and not furnished with a distinct appendage. *Tarsi* triarticulate, basal joint of the anterior minute; second large, cleft nearly to its base, so as to form two well-developed, elongate lobes, between which the long apical joint is inserted; provided with two equal, curved claws.

As is the case with many other important forms, only one specimen is extant; dissection therefore is out of the question. I believe that the intermediate joints of the *palpi* will prove to be dissimilar to those of *Sagola*, and it may be that other structural differences will be found to exist when other examples shall be found. However, one thing is certain, and that is, that the peculiar structure of the second tarsal joint is, of itself, sufficient to justify the isolation of this genus, not only as distinct from *Sagola*, but also from every other member of the entire family of *Pselaphidæ*. Although this is so, the natural affinities of the insect clearly point out its relationship to *Sagola*, and it must therefore be placed near to that genus; no other nearly-allied group displays characters such as would indicate any nearer relationship.

1885. **E. enigma**, *n.s.* *Elongate*, subdepressed, clothed with greyish-yellow hairs, which, however, are nearly absent on the head, but conspicuous enough on the hind-body; shining, red, legs and antennæ fulvous, tarsi yellow.



*Head* moderately short, not quite as broad as thorax, narrowed in front of eyes, cheeks rounded; tubercles broad, flattened, contiguous, with a narrow channel between them; vertex bifoveolate. *Eyes* prominent, distinctly faceted. *Antennæ* as long as head and thorax; basal joint large, cylindrical; second moniliform, broader than fourth; third as long as second, but slender; fourth and fifth nearly equal, longer than broad; sixth and seventh about equal, slightly broader than the preceding one; ninth and tenth broader than long; eleventh larger than tenth, furnished with a small appendage or false joint; these last three joints densely but finely ciliated at apex. *Prothorax* longer than broad, oviform, considerably narrowed towards the front and base, the latter truncate; with a curved angulated impression before the base, ending in a fovea at each side. *Elytra* oblong, rather broader than thorax, a little narrowed towards the shoulders; each with a well-marked sutural stria and intrahumeral impression. *Hind-body* quite as long as wing-cases, broadly margined laterally, horizontal, obtusely pointed at extremity, composed of five segments. *Femora* stout; tibiæ curved externally and fringed; tarsi shorter than tibiæ, the two basal joints of the posterior short, nearly equal, longer below than above.

The insect is destitute of distinct punctation, but the basal abdominal segment, and the broad peduncle between the thorax and after-body, are minutely and densely sculptured.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{1}{8}$  line.

Near Howick; amongst decaying vegetable matter on the ground.

### Euplectus.

1886. **E. mœrens**, *n.s.* *Subopaque*, dark-rufous; legs, antennæ, and palpi chestnut-red, elytra just intermediate in colour.

*Head* nearly quadrate, a little narrowed anteriorly, broadly but not deeply impressed between the tubercles, with two obsolete foveæ behind, its whole surface very coarsely and deeply punctured. *Eyes* small, not at all conspicuous, coarsely faceted. *Antennæ* as long as head and thorax; basal joint largest, cylindric; second shorter; joints 3-7 about equal, each about as long as broad; eighth smaller than the preceding one; ninth twice the bulk of eighth; tenth transverse, broader than ninth; eleventh large, acuminate. *Thorax* not much longer than broad, rounded laterally, widest before the middle; its sculpture similar to that of the head, with three foveæ behind, one near each side and one on the middle, the longitudinal groove ill-defined or wanting according to how it may be looked at. *Elytra* broader than thorax, hardly longer than broad, each with two broad striæ, the sutural attaining the apex, interstices broad and appearing as if elevated; they seem to be punctate. *Hind-body* not longer than elytra, not punctured, the four basal segments about equal. *Legs* moderate, simple. The *clothing* consists of short yellow hairs.

*Underside* castaneous, head punctate.

The very coarse sculpture of the head and thorax is a good distinguishing character.

Length,  $\frac{3}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Tairua (1886); two examples.

1887. **E. lepiphorus**, *n.s.* *Subdepressed*, thorax moderately shining, pale chestnut-red, legs and antennæ fulvous; clothed with an admixture of yellow hairs, and minute brassy, seta-like scales, in some lights more like setæ than scales.

*Head* trigonal, narrow, subopaque, closely punctured; nearly plane, interocular foveæ very small; tubercles small but distinct and glossy, the intervening channel broad but shallow. *Antennæ* rather shorter than head and thorax, joints 3-8 nearly similar; ninth and tenth transverse; eleventh largest, acuminate. *Thorax* appearing slightly longer than broad, widest near the front, much narrowed anteriorly; discoidal groove abbreviated, basal and lateral foveæ distinct, its punctation more distant, shallower, and altogether less evident than that of the head; side margins blackish and rough-looking. *Elytra* narrowed towards base, lateral margins pitchy, sutural striæ and intrahumeral impressions distinct, sculpture of surface ill-defined. *Hind-body* seemingly impunctate.

One of the congeners of *E. patruelis*, smaller than that species, and flatter. The head will lead to its identification. The clothing is peculiar; there are some slender scale-like setæ on *E. patruelis*, but they are not conspicuous.

Length,  $\frac{3}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Clevedon. One, from Mr. G. Munro.

1888. **E. validus**, *n.s.* *Shining*, red, elytra paler, legs and antennæ fulvescent; clothed with short, depressed yellowish hairs intermingled with a few longer ones; body robust and convex.

*Head* large, subquadrate; interocular foveæ large, continued forwards and confluent between the antennæ; the smooth, raised, vertex portion prolonged nearly as far as the tubercles. *Antennæ* as long as head and thorax, second joint rather shorter than first, joints 3-8 differ but little from one another, moniliform; ninth and tenth much broader than eighth, transverse, tenth nearly twice the width of ninth; eleventh largest, acuminate. *Thorax* scarcely larger than head, the base with a large angular median fovea united to a fovea near each hind angle, no discoidal sulcus. *Elytra* considerably larger than thorax, the sutural striæ and intrahumeral impressions broad and rather deep; there are also two small punctures close to the scutellar region. *Hind-body* long and convex. *Legs* stout.

This might seem to agree pretty well with Dr. Sharp's *E. convexus* (female) in many respects; it is a smaller insect, however, and the head is not at all narrow.

Length, 1-1 $\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Found on the Waitakerei Range, near Howick, and near Clevedon; seven individuals, without any well-marked sexual characters.



Obs.—Having recently obtained two or three examples of the male sex of *Euplectus trisulcicollis*, I now give a description of its characters:—

No. 255. Male. *Legs* robust; two hind pairs of tibiæ thick, curvate; the intermediate armed on the inside, near the extremity, with a distinct protuberance. *Abdomen* with five well-marked segments, first truncate behind, second angularly produced in the middle, third and fourth transversely depressed, but with raised hind margins, the fourth with an oblong (transverse) fovea on the middle, fifth medially concave and uneven. *Metasternum* foveate.

1889. **E. scruposus**, *n.s.* *Convex*, narrowed and asperated anteriorly, clothed with yellow pubescence, and having some long upstanding hairs on the hind-body; dark-red, legs pale chestnut-red, tarsi yellow.

*Head* narrow, with a smooth cuneiform depression on the middle, the other parts of its surface rough with rather coarse punctures, the occiput deeply emarginate behind, the incurvature with raised borders. *Antennæ* shorter than head and thorax, gradually incrassated, second joint as long as visible portion of first; third rather larger than fourth, obconical; joints 4–6 bead-like, equal, small; seventh and eighth transverse, somewhat broader than the preceding one; ninth and tenth transverse, twice the bulk of eighth; eleventh largest. *Thorax* longer than broad, much narrowed anteriorly, widest near the middle, oviform; its apical portion smooth, the rest of its surface more or less coarsely punctured; the dorsal channel deep and narrow, not reaching the smooth part, with sharp carinate margins, and terminating behind in an angular fossa; there is a large fovea near each hind angle, having a groove proceeding from it along the side; there is also a basal linear impression connecting these three foveæ. *Elytra* broader than thorax; sutural and intrahumeral impressions broad and deep near the base; they are without distinct punctation. *Hind-body* broad, impunctate. Legs stout, anterior femora very thick, twice as thick as the posterior; tibiæ, especially the front pair, arcuate externally.

The incrassate front thighs, together with the form and sculpture of the head and thorax, prevent its being mistaken for any other species. In general outline *E. patruelis* comes nearest to it.

♂. Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{3}{8}$  line.

One individual, found by Mr. G. Munro near Clevedon.

1890. **E. allocephalus**, *n.s.* *Elongate*, narrow, attenuated posteriorly, subdepressed; nitid, pubescence greyish-yellow; red, legs, antennæ, and terminal segments of hind-body rufo-testaceous, tarsi yellow.

*Head* large, quadrate; a large round depression just over the point of insertion of antennæ is united transversely to a similar one on the opposite side, so that, when examined sideways, there appears to be a deep hollow across the head; the forehead forms, including the all but obsolete tubercles, a broad uninterrupted curve on a



lower plane than the occiput, and from the middle proceeds backwards for a short distance a somewhat raised space, this frontal portion finely punctate; the vertex or occiput is more elevated than other parts, its front is inwardly curvate, and in the middle there are three or four small notches with minute denticles interposed. *Eyes* small, quite lateral. *Antennæ* inserted below the forehead, their second joint quite as long as the visible portion of the basal one; third and fourth nearly equal; joints 5-10 transverse; sixth rather smaller than fifth or seventh; eighth smaller than the contiguous ones; eleventh largest, pointed. *Thorax* about as long as broad but appearing longer, widest before the middle, rather abruptly rounded towards the front, thus causing an obvious angular gap between its broadest part and the head, which is of almost the same width as it; there is a large fovea near each hind angle, and one near the middle of the base, all three united by a groove, dorsal furrow well marked but abbreviated in front; it is indistinctly punctured. *Elytra* broader than thorax, sutural and intrahumeral impressions broad and rather deep, so as to seem as if separated by raised interstices; not evidently punctate. *Hind-body* elongate, quite unfolded, the three basal segments large, the apical much narrowed. *Legs* moderately stout, *tibiæ* curved outwardly; second joint of front *tarsi* unusually thick.

I cannot point out any nearer ally than *E. mirificus* (No. 1653), which, I may here state, most nearly resembles No. 260.

♂. Length,  $\frac{5}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

I received one example from Mr. George Munro, Clevedon.

1891. ***E. acuminatus***, *n.s.* Glossy, red, legs and antennæ fulvous, clothed with short grey hairs.

*Head* nearly trigonal, nearly as broad as thorax behind, finely punctured; the two foveæ on the vertex well developed and not distinctly extended forwards; antennal tubercles distinct, forehead rounded. *Eyes* small. *Antennæ* shorter than head and thorax; second joint as long as exposed portion of first; joints 3-8 small, submoniliform, differing but little from one another; ninth and tenth transverse, the former somewhat broader than eighth, tenth twice the breadth of ninth; eleventh largest, acuminate. *Thorax* widest near the middle, rather wider before than behind that point, narrower in front than at the base; trifoveate behind, the foveæ united in the ordinary way, no discoidal sulcus. *Legs* moderate, *tibiæ* a little arched externally.

The elytra and hind-body are similar to those of *E. allocephalus*, and, on this account, this might be considered at first sight the female of that species, but the form and sculpture of the head and thorax as well as the antennal structure forbid such an association.

Length, quite  $\frac{5}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Mr. G. Munro sent me two specimens from Clevedon.

1892. ***E. clevedonensis***, *n.s.* Pubescent, moderately glossy, dark-red, legs and antennæ paler.

Although no well-marked character distinguishes this species

from *E. sandageri*, numerous minor differences are exhibited. The seventh joint of the *antennæ* is notably larger than the contiguous ones; the insect is more shining; the sculpture of the *head* and *thorax* is shallower and less apparent; and the *legs* are not so stout. The *underside* is shining, less coarsely punctate, and the basal segments of the abdomen are simple, transversely convex, and with well-developed sutures, the fifth is strongly rounded, the sixth is visible beyond it and of nearly the same form.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{1}{4}$  line.

Clevedon. Mr. G. Munro.

1893. **E. sandageri**, *n.s.* *Subopaque*, clothed with yellow hairs, those behind most elongate, legs chestnut-red, tarsi fulvous.

*Head* subtrigonal, narrower than thorax, coarsely punctured, the sides on the same level as the tubercles; these latter separated by a broad, deep channel extending backwards to the small fovea on the vertex. *Eyes* small, coarsely granulated, situated at the middle of the sides; the sides of the head, in front of them, narrowed and deeply excavate. *Antennæ* shorter than head and thorax, their basal two joints large; 3-8 very small, alike; ninth and tenth transverse, increasing in bulk; eleventh large, acuminate. *Thorax* rather broader than long, widest near the middle, much narrowed in front and behind; its sculpture finer than that of the head, with three foveæ near the base, dorsal sulcus broad and deep. *Elytra* subquadrate, shoulders narrow; their sculpture apparently rugulose, sutural and intrahumeral impressions broad, deep near the base. *Hind-body* longer than elytra, impunctate. *Legs* stout; tibiæ grooved on the outside near the extremity, the anterior with three or four minute denticles, and, like the hind pair, externally arched.

*Underside* pubescent, punctate; the head with erect hairs, whose extremity is club-like. *Prosternum* bi-impressed in front of the coxæ; these prominent, the dividing channel deep but narrow. *Metasternum* convex. *Abdomen* convex, its segments well developed; the basal somewhat thickened or raised near the coxæ, second with a minute mesial tubercle, fifth large, rounded; sixth narrower than the preceding one.

In *E. auripilus* the frontal depression is quite shallow, and there is no distinct fovea on the middle of the back part of the head, as it seems to form part of the furrow itself; the thorax is smaller and less cordiform, &c.

♂. Length,  $\frac{3}{4}$ ; breadth,  $\frac{1}{4}$  line.

Mokohinou Island. Two examples from Mr. Sandager, after whom I have much pleasure in naming it.

1894. **E. personatus**, *n.s.* *Convex*; head, thorax, and all but the terminal joint of the *antennæ* red, abdomen darker, elytra and legs chestnut-red, tarsi and palpi yellow.

This species differs from No. 1647 (*E. patruelis*) as follows: Slightly shorter and broader. The back part of the *head* just behind the foveæ more angulated and elevated, leaving a short



peduncle between it and the thorax. *Thorax* less coarsely punctured, the median fovea in front of the base deeper and better defined. *Elytra* relatively shorter and broader. *Femora* more inflated, their greatest curvature above; front tibiæ thicker and more arched externally. *Antennæ* shorter and more incrassated towards the extremity.

♂. Length,  $\frac{3}{4}$ ; breadth,  $\frac{1}{4}$  line.

Found near Howick.

1895. **E. unicus**, *n.s.* *Robust*, convex, elongate, shining; covered chiefly with very short, depressed, brassy hairs, but with a few longer ones on the abdomen; castaneo-rufous, tarsi and palpi yellow.

*Head* subquadrate, with two shallow foveæ between the eyes, the space in front brought to the level of the foveæ, the tubercles large, these and the sides punctate, occiput convex and nearly smooth; eyes prominent. *Antennæ* as long as head and thorax, the first four joints stout and distinctly punctate; joints 5–8 moniliform, nearly equal, broader than long; ninth broader than the preceding one; tenth distinctly larger than ninth; eleventh large, ovate, acuminate. *Thorax* much narrower than elytra, as long as broad, rounded laterally, obsoletely punctated, the three basal fossæ united by a transverse impression, the longitudinal channel moderately well marked. *Elytra* convex, large, length and breadth about equal, their sides so rounded as to appear narrower behind than at the shoulders, indefinitely punctate; their sutural striæ broad, deep at the base only, intrahumeral impressions large. *Hind-body* obviously narrower than elytra, obsoletely sculptured. *Legs* long and robust.

An easily-recognised species, owing principally to its comparatively large size and ample, regularly-rounded wing-cases.

Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{3}{8}$  line.

Stratford, near Mount Egmont.

1896. **E. patronus**, *n.s.* *Convex*, robust, shining, covered with short decumbent yellow hairs, with a few longer ones on the hind-body; red, the legs, elytra, and last antennal joint paler.

*Head* not narrowed behind, longish, nearly as large as thorax, indefinitely sculptured, the large foveæ prolonged forwards so as to unite in front of the central raised part; eyes moderate. *Antennæ* as long as head and thorax, slender; second joint evidently larger than third; fourth and fifth equal; sixth rather smaller than the adjoining ones; seventh larger than eighth; ninth larger than the preceding and about half the size of the following one; eleventh large. *Thorax* narrower than elytra, quite as long as broad, narrower in front than behind; the three basal foveæ well developed, and joined together by a transversal linear impression. *Elytra* large, curvate laterally, narrowed towards the shoulders, base incurved; sutural striæ distinct, deepest in front, intrahumeral impressions broad in front, but gradually attenuated. *Hind-body* narrower than wing-cases, not evidently sculptured. *Legs* robust, intermediate tibiæ



armed at the inner extremity with an easily-seen spur directed inwards, posterior much narrowed at the apex.

This is another species that can be readily identified by its rather large size, in conjunction with its stout legs and the armature of the middle tibiæ.

♂. Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Found near Howick.

1897. **E. verticalis**, *n.s.* *Subdepressed*, elongate; elytra and hind-body of very nearly equal width and almost parallel-sided; subopaque, clothed with short, depressed pale hairs, which, however, become longer on the hind-body; rufo-testaceous.

*Head* rounded behind the eyes, coarsely and closely punctured; with two small interocular foveæ; eyes large, convex. *Antennæ* shorter than head and thorax, their three terminal joints much thickened; ninth and tenth strongly transverse, more than double the width of eighth; eleventh large and conical, two basal joints stout; joints 3-8 nearly similar to one another. *Thorax* not quite so closely punctured as the head, longer than broad, its sides moderately rounded; the three basal foveæ rather shallow, the central one joined to those at the sides, and having an ill-defined dorsal groove in front of it. *Elytra* a little broader than thorax, rather longer than broad, base and apex truncate, their striæ normal. *Legs* moderate, tibiæ curvate outwardly, the two hind pairs much narrowed at the extremity.

Larger than No. 1348, darker, with thicker legs, &c. It also comes near No. 1647 and its allies.

Length, quite  $\frac{5}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Discovered near Howick.

1898. **E. antiquus**, *n.s.* *Elongate*, not at all parallel, subdepressed, rough-looking, slightly shining; densely clothed with short, depressed, distinct yellow hairs; chestnut-red, legs and antennæ fulvous, tarsi yellow.

*Head* without distinct depressions, punctate, antennal tubercles distinct. *Eyes* small. *Antennæ* short, two basal joints stout, 3-8 small, ninth transverse, tenth much larger than ninth, eleventh large, acuminate. *Thorax* quite oviform, longer than broad, punctate; with a short median impression, one near the base, and an elongate one near each side. *Elytra* subquadrate, a little narrowed towards the base, apparently punctate, not smooth, each with a broad sutural, and a discoidal, stria, with raised intervening space. *Hind-body* as broad as elytra, a little longer than they are, distinctly sculptured. *Legs* robust; tibiæ arched and dilated medially, narrowed towards the extremity.

This minute species comes near *E. lepiphorus*, but the antennæ are much shorter and differently formed; the thoracic impressions are different, the thorax itself is longer and narrower, and the insect is smaller.

Length,  $\frac{1}{2}$ ; breadth,  $\frac{1}{8}$  line.

Mokohinou Island. One example, found by Mr. Sandager.

## Group—SCYDMÆNIDÆ.

## Sciacharis.

## Nov. gen.

*Body* elongate, moderately convex, tomentose. *Maxillary palpi* not very elongate; second articulation slender, curved, elongate, shorter than third; third but little clavate; terminal minute, aciculate: *labial* very short, their last joint small, needle-shaped. *Eyes* small, not prominent. *Antennæ* implanted between the eyes, gradually thickened, exposed portion of basal joint not longer than second. The *mesosternum* carinate, concave at each side; *metasternum* large, incurved before the coxæ, and somewhat angulated between them. *Coxæ* large, especially the anterior, which are separated by a well-marked but narrow channel, the others not distant. *Legs* long; front *tibiæ* much bent, so as to appear as if broken at the middle; intermediate formed of two distinct parts, the upper the shorter and quite slender, the lower placed at right-angles to the former, nearly plane above, seemingly pubescent underneath, and much broader; posterior resembling the middle ones, but with the upper slender part rather longer. *Tarsi* five-jointed, first to fourth joints decrease in length, fifth elongate, about as long as the preceding four taken together; *claws* slender.

But little doubt exists in my mind as to the propriety of isolating the following species under the name *Sciacharis*. The extraordinary structure of the *tibiæ*, particularly of the two hind pairs, is a sufficient justification. These appear, so far as I can judge, to be articulated near the middle; the upper half represents the natural tibia, the lower is placed in the same line as the tarsus, and, I have no doubt, is used as a tarsal joint, at any rate it has the appearance of an enormously developed basal joint of the foot.

1899. **S. fulva**, *n.s.* *Shining*, moderately convex, fulvous, sparingly covered with yellowish tomentum.

*Head* subovate, smooth. *Antennæ* pubescent, 11-articulate, as long as head and thorax; second joint as large as visible portion of first; third and fourth each longer than broad, smaller than second, equal; fifth and sixth of nearly equal bulk, rather broader than the two preceding, each rather broader than long, moniliform; joints 7–10 become shorter and broader; eleventh largest. *Thorax* longer than broad, widest near the front, narrowed behind, the base bifoveate, the foveæ and sides not united by any obvious impression. *Scutellum* invisible. *Elytra* wider than thorax (even at the base), considerably rounded laterally, oviform, depressed at the base, with a raised plica near each shoulder. *Pygidium* but little uncovered.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{1}{8}$  line.

My unique example was taken from amongst decaying leaves, &c., in a shaded spot near Clevedon, by Mr. George Munro.

**Phaganophana.**

1900. **P. planiceps**, *n.s.* *Convex*, shining, clothed with yellow hairs, those on the elytra long, slender, and almost erect, on the sides of the thorax shorter and coarser, on the head nearly horizontal and extending outwards, so that its upper surface is nearly nude; body red, head and thorax darker than elytra, legs paler-red, tarsi and palpi yellow.

*Head* subquadrate, rather flat above; eyes prominent, situated at the middle of each side. *Antennæ* stout and elongate, the four terminal joints larger than the others; second joint cylindric, longer than visible portion of first; 3-7 each slightly shorter and broader; 8-10 transverse; eleventh largest. *Thorax* a little longer than broad, curvedly narrowed in front, with two small, rounded, basal foveæ; base transversely depressed. *Elytra* convex, broader than thorax at base, broadly oval, not attenuate behind, the apex in fact quite broad; bifoveate at base, humeral elevations short. *Legs* elongate; the femora, especially the front pair, incrassate towards the extremity; tibiæ slightly flexuous, slender at base, front pair densely pubescent along the inner face of the lower half.

*Coxæ* prominent, the anterior contiguous, the others about equally separated. *Carina* of mesosternum narrow, extending from behind front coxæ to beyond the middle of the intermediate. *Metasternum* rather long, smooth, scantily pubescent. *Abdomen* with shorter yellow hairs, rather thickly covered. *Palpi* with slender, elongate, curved second joint, third stout, fourth minute, acicular.

Near *P. calva*, which, however, has the head more narrowed behind, and with greyish hairs on the elytra.

Length,  $\frac{3}{4}$ ; breadth, nearly  $\frac{3}{4}$  line.

Mokohinou Island. Three examples, from Mr. Sandager.

1901. **P. munroi**, *n.s.* *Shining*, dark-red, elytra paler, tarsi and palpi yellowish; pubescence yellow.

*Head* broad, rounded behind; eyes convex, rather small. *Antennæ* moderately elongate and stout; second joint rather longer than visible part of first; third and fourth equal, oviform, longer than broad; fifth and sixth a little shorter and thicker than the preceding one; seventh broader than sixth; 8-10 strongly transverse and loosely articulated; eleventh but little longer than broad, its apex rounded. *Thorax* longer than broad, rounded near the front, narrowed behind, with two basal depressions, and a larger one on each side. *Elytra* oval, much narrowed behind; with two depressions at base, and a broad shallow one before the middle; humeral elevations short. *Legs* rather slender; tibiæ nearly straight, a little expanded apically. *Palpi* moderately slender, second joint thickened towards extremity, third elongate-oval, truncate at apex, fourth acicular.

*Underside* red; *carina* of mesosternum short and rather indistinct; *metasternum* convex, large, sparsely pubescent; abdomen covered with short yellow hairs, apical segment transversely impressed behind.



Distinguished from *P. planiceps* by the more acuminate hind-body and more slender maxillary palpi. The clothing in both species is very much alike. The short terminal joint of the antennæ differentiates this from all the other New Zealand species.

Length,  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{4}$  line.

Clevedon. The insect bears the name of its discoverer, Mr. George Munro, of Wairoa South, Auckland.

1902. **P. antennale**, *n.s.* *Nitid*, infusate-red, not dark, legs and antennæ rufo-testaceous, tarsi and palpi yellow; pubescence yellow, paler and more slender on hind-body.

*Head* subquadrate, rounded behind; eyes not prominent. *Antennæ* elongate and slender; second joint cylindrical, longer than exposed portion of first; joints 3-8 differing but little from one another; ninth and tenth transversely quadrate, much larger than preceding ones; eleventh large, oblong-oval. *Thorax* much longer than broad, its widest part near the middle, not broader than head, narrowed in front, constricted near base; with a large fovea at each side, and two small rounded ones at the middle near the base. *Elytra* elongate-oval, widest at the middle, narrowed to width of thorax at base, much narrowed behind; the two basal fossæ well marked, humeral elevations indistinct. *Legs* long and slender. *Palpi* with second joint thickened towards extremity; third rather broad, its apex truncate; fourth short, rather broad, not needle-shaped.

The last three joints only of the antennæ being obviously broader than the preceding ones will at once lead to its identification; it is, moreover, one of the rather narrow forms.

Length,  $\frac{5}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Mount Manaia, Whangarei Harbour. One example.

1903. **P. stenocera**, *n.s.* *Castaneo-rufous*, legs and antennæ fulvous, tarsi and palpi yellow; pubescence yellow, of the ordinary kind.

In most respects like *P. antennale*, the *hind-body* less narrowed in front and of more rounded outline there; maxillary *palpi* decidedly more slender, fourth joint quite acicular. *Antennæ* rather more slender, fourth and sixth joints smaller than fifth; seventh a little broader but scarcely longer than sixth; joints 8-10 transversely quadrate; eleventh oblong-oval. No. 266 is another near ally. I find on a re-examination of the thorax of that species that it is smooth, not punctate, the punctate appearance having been caused by minute particles of moisture adhering to the base of the hairs.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{1}{4}$  line.

Howick. One example.

1904. **P. latiuscula**, *n.s.* *Broad*, shining, dark-red, legs paler, tarsi and palpi yellow.

This might be mistaken for *P. calva*, from which, however, it differs in some important points. The *body* is broader; the *head* quad-

rate but rounded behind, not obliquely narrowed as in that species; *eyes* not so convex; *thorax* broader, rounded laterally in front, much less narrowed there, the two basal foveæ are equally distant from each other; *elytra* more rounded laterally, and consequently of less oblong form. The *antennæ* are stout; second joint as long as first, joints 3-6 subquadrate, fourth and sixth each smaller than third and fifth; seventh transverse, slightly broader than sixth, not quite so broad as eighth; 8-10 transverse, larger than preceding ones; eleventh oblong-oval. *Carina* of mesosternum elongate, distinct, narrow.

Length, nearly  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{4}$  line.

Paparoa, near Howick. One only.

1905. **P. sanguinea**, *n.s.* Red, legs paler, palpi and antennæ yellowish, clothed with slender, but not depressed, pale-yellow hairs.

*Head* rather large, narrowed behind the eyes, slightly convex. *Eyes* not small, not conspicuous. *Antennæ* elongate; their two basal articulations almost equally stout and long; joints 3-5 each much longer than broad, third slightly smaller than fourth; sixth a little shorter than fifth; 7-10 distinctly broader than their predecessors, transverse; eleventh suboblong, rounded at extremity. *Thorax* longer than broad, widest before the middle, much narrowed in front, deeply constricted behind the middle; with two nearly contiguous basal foveæ, and a large one at each side. *Elytra* oviform, rather broad, moderately narrowed posteriorly; their two basal depressions rather large, humeral elevations short and not very obvious. *Carina* of mesosternum narrow and elongate. Hind *coxae* large but flattened, nearly contiguous. *Abdomen* pubescent, fourth segment with a deep and rather broad suture, sixth hollow at apex but raised in front of the cavity. *Palpi* elongate, second joint thickened towards extremity; third also elongate, gradually expanded towards the truncate apex, not oviform; fourth small, almost needle-shaped. *Legs* long, tibiæ slightly bent, the coarse elongate hairs on inner face of the intermediate rather conspicuous.

One of the largest species, and therefore not difficult of recognition.

Length, 1; breadth,  $\frac{2}{3}$  line.

Howick. One specimen is all I could find.

1906. **P. erythronota**, *n.s.* Robust, shining, densely clothed with bright ash-coloured hairs; dark-red, head and thorax darkest, tarsi and palpi fulvous.

Somewhat similar to *P. setosa*, but larger, darker in colour, pubescence even denser, though not so elongate (in *P. setosa* the hairs are either yellow or greyish).

*Head* not quite so broad, its pubescence directed backwards; *eyes* a little smaller; *palpi* thicker, the penultimate joint broadly oval, unusually broad in fact, terminal minute.

*Antennæ* red, distinctly pilose, second joint as large as first; third and fourth each rather longer than broad; 5-7 about equal,

bead-like; ninth and tenth transverse; eleventh large, obtusely pointed. *Thorax* broader, more evidently contracted behind, basal impressions apparently quite transversal. *Elytra* oviform, widest just before the middle, quite unimpressed. *Legs* stouter; tibiae not bent, the four front ones, on the inside, towards the extremity, with some elongate spine-like setae, the middle pair with more yellow pubescence near the end; tarsi thicker.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$  line.

Moeraki. One example, found by Mr. Sandager.

## Group—SILPHIDÆ.

### Inocatops.

*Nov. gen.*

*Body* convex, oviform, compact, scutellar region considerably depressed; pilose.

*Head* immersed up to the eyes; these latter small, not at all prominent. Maxillary *palpi* elongate; their terminal joint longer than the penultimate, elongate-oval, subacuminate; second elongate and rather slender. *Antennæ* 11-articulate, gradually but not very much incrassated, eighth joint smaller than the contiguous ones. *Coxæ* small, the anterior but little extended, nearly contiguous, the margin in front of them raised and broadly curvate, the prosternum sloping towards its flanks; the middle pair separated by a keel of the short mesosternum; the posterior parted by a narrow process only, trochanters small and accurately adapted to the femora, metasternum not elongate. *Abdomen* with five segments, the basal with a flat triangular projection attaining the base of the third, the sutures deep. *Epipleuræ* broad at the base, but diminished till quite linear at the extremity. *Legs* stout, tibiae medially dilated and obliquely narrowed towards the apex, apparently unarmed, pilose but not spinulose externally; *tarsi* five-jointed, the anterior of the male dilated, the basal joint much enlarged and suboblong, that of the posterior elongated, claws appendiculate at base.

I cannot point out a nearer ally than *Camiarus convexus*, but in it, besides many other disparities, the base of the elytra is emarginated so as to receive the thorax.

No. 273 belongs to this genus, so that it will become known as *Inocatops concinnus*. It is from a male of that species that the above diagnosis has been derived.

1907. **I. compactus**, *n.s.* *Oviform*, robust, convex, shining, covered with longish yellow hairs; dark-red, legs and antennæ infusate-red, tarsi testaceous; minutely, obsoletely, and remotely punctured.

*Head* small. *Antennæ* hirsute; basal joint stout but elongated; joints 2–6 decrease in length; seventh rather larger than sixth; eighth transverse, nearly as broad as, but much shorter than, the preceding one; ninth and tenth nearly equal, rather broader than long; eleventh somewhat larger than tenth. *Thorax* about as long



as broad, much curvedly narrowed anteriorly, front angles depressed; sides finely marginated, rounded, with a sinus before the posterior angles, these latter rectangular and neatly applied to the lateral margins of the elytra so as to appear continuous with them, the space near these angles depressed; base strongly sinuated, almost lobate in the middle. *Scutellum* deeply sunk. *Elytra* widest before the middle, gradually contracted apically and covering the pygidium.

Very much like *I. concinnus* (No. 273), but nearly twice its bulk; antennæ much longer; apex of hind tibia more abruptly narrowed, so as to be almost obliquely truncate, the front pair much more slender.

♀. Length,  $1\frac{3}{8}$  lines; breadth, quite  $\frac{5}{8}$  line.

It is Mr. T. Chalmer, of Dunedin, to whom I am indebted for the only specimen I have seen. It is a female.

1908. **I. flectipes**, *n.s.* *Convex*, shining, red, legs and antennæ fulvous, palpi and tarsi yellow; clothed with conspicuous flavescent hairs.

*Head* small. *Antennæ* pubescent, and bearing numerous elongate, outstanding, but very slender hairs; basal joint thick, cylindric; second similar in form and nearly as long, but not as stout; third somewhat longer than broad; fourth and fifth subequal; sixth rather smaller than seventh, which is transversely quadrate; eighth small, shorter than sixth; tenth transverse; eleventh large. *Thorax* finely and distantly punctured, rather broader than long, much depressed and bicurvate at base. *Elytra* distantly and minutely punctated. *Legs* stout, front tibiæ gradually thickened, the extremity oblique and hollowed for the accommodation of tarsi; intermediate somewhat bent, the oblique apical portion rather long and concave; posterior nearly straight for two-thirds of their length, then much bent, so as to seem widely notched, and afterwards directed inwards at the extremity, the outside much curved and oblique; hind tarsi elongate and narrow, the two front pairs with the basal joints a good deal dilated.

*Underside* rufescent, flanks of prosternum piceous; pubescence yellowish-grey.

Smaller than *I. concinnus* (No. 273), the thorax relatively larger and much less narrowed in front, and with more slender antennæ. *I. compactus* is very much larger, with longer and stouter antennæ, &c. The tibial structure is sufficiently distinctive.

♂. Length,  $\frac{7}{8}$ ; breadth, quite  $\frac{3}{8}$  line.

Moeraki. I am indebted to Mr. Sandager for a specimen.

## Asphærites.

*Nov. gen.*

*Body* ovate-oblong, convex, almost nude. *Head* immersed up to the eyes; epistome and labrum truncate or feebly rounded, the latter very short and not emarginate. *Eyes* rather large, prominent, transverse, oviform, and distinctly faceted. *Palpi* stout, the labial very short, bisetose, their terminal joint subcylindric: maxillary pubes-

cent, basal joint small; second elongate and gradually widened; third obconical, much shorter than second; fourth rather longer than second, broad at base, its apical portion acuminate. *Antennæ* inserted just in front of the eyes, 11-articulate, their basal joints cylindrical, eighth much smaller than the contiguous ones, the three following nearly quadrate. *Thorax* transverse, finely margined, sides curvedly narrowed towards the obtuse anterior angles, apex emarginate and bisinuate, posterior angles rectangular, not acute, not overlapping the shoulders, base slightly sinuated; its surface exhibits a regular slope so that the sides are not in the least explanate or thickened. *Scutellum* distinct, triangular. *Elytra* covering the pygidium. Front *coxæ* prominent, with only a very narrow linear space between them; middle pair less prominent, separated by a narrow mesosternal process which is nearly on a level with the *coxæ*; posterior distinctly yet not widely separated. *Prosternum* moderately short in front, its sides concave. *Mesosternum* with an abbreviated frontal carina. *Abdomen* with five nearly equal segments placed abruptly on a lower plane than the simple, convex metasternum; the visible portion of the basal segment, however, very short. *Epipleuræ* very broad at base, but becoming quite linear behind, distinctly grooved even near the apices. *Tibiæ* with short, slender, apical spurs, not denticulate externally. *Tarsi* but little dilated, their terminal joint as long as the other four taken together.

The structure of the palpi at once distinguishes this genus from *Choleva* and its allies. Dr. Sharp's genus *Catopsilius* is a cognate form.

1909. **A. nitidus**, *n.s.* *Nitid*, bearing but few, almost indistinguishable, fine hairs; castaneous, thorax redder and paler than other parts, legs reddish, tarsi, palpi, and five basal joints of antennæ fulvous, remaining joints infusate.

*Head* smooth, narrowed in front of the eyes, with a curved interantennal impression. *Thorax* gradually sloping, with a row of puncturæ near the base, only those near the angles well marked. *Scutellum* smooth. *Elytra* as wide as thorax at the base, each with about eight series of punctures; the rows in some lights assume the form of striæ, but the sutural grooves only are distinct, and even these are obliterated in front.

*Underside* pubescent.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Mr. G. Munro found two examples near Clevedon.

## Catopsolius.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 383.)

*Corpus* subdepressum, nitidum absque pubescentia. *Pedes* graciles, tarsi 5-articulati. *Antennæ* graciles, articulo octavo quam contiguis angustiore, clava gracile, triarticulata. *Palpi* maxillares articulo ultimo acuminato, præcedente paulo latiore, multo longiore. *Prosternum* ante coxas sat magnum.

Although very different in appearance therefrom, this genus is undoubtedly allied to *Catops*, but the head is not capable of the great inflexion it possesses in that genus, and as a correlative fact the front of the prosternum is comparatively large. The proportions of the joints of the maxillary palpi are very different from those of *Catops*. From *Camiarus* the genus is distinguished by the different maxillary palpi, and by the fact that the *epipleura*, very broad at the base, continue to the end of the wing-cases, becoming gradually narrower behind. The legs are remarkably slender, the tibiæ quite straight, extremely feebly spinulose externally; the basal joints on the middle and hind feet are much longer than the seconds. The front *coxae* are rather small, not very prominent, and have but little extension in the transverse direction, their cavities closed behind and similar to those of *Catops*. The middle *coxae* are separated only by an excessively narrow process, and the *mesosternum* is not in the least carinate. The hind *coxae* are very long in the transverse, very short in the longitudinal directions.

1910. *C. lævicollis*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 384.) *Ovalis*, latus, subdepressus, niger, nitidus, antennis pedibusque rufis; *prothorace* amplo, lævissimo; *elytris* fortiter regulariterque seriatim punctatis.

Long., 4mm.

*Antennæ* longer than head and thorax, very slender; joints 3-6 very slender and elongate, almost similar in length and breadth; seventh joint perceptibly broader, and a little shorter, much longer than broad; eighth joint longer than broad, about as broad as the sixth; ninth, tenth, and terminal joints each longer than broad. *Head* smooth, shining, and impunctate. *Thorax* strongly transverse, a good deal narrowed in front, the front angles obtuse, the hind slightly acute owing to a slight sinuation of the base on each side. *Scutellum* rather large, triangular, impunctate. *Elytra* each with nine very regular series of coarse punctures, the external of which touches the lateral margin. *Legs* very slender.

Greymouth. Helms. I have seen only two examples, and regret that I do not know the male.

### Choleva.

1911. *C. lugubris*, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 78.) *Ovalis*, posterius attenuatus, densissime subtilissimeque pubescens, opacus, niger, antennarum basi rufo-obscuro; vix perspicue punctatus, sed *elytris* confertim transversim strigulosis.

Long.,  $2\frac{3}{4}$ - $4\frac{1}{4}$ mm.

*Antennæ* rather longer than head and thorax, rather stout, a good deal thickened towards the apex; seventh joint rather longer than any of the others, rather longer than broad; eighth much smaller than the contiguous joints; ninth and tenth each about as



long as broad. *Thorax* very finely punctured and pubescent, a good deal sinuate at the base on each side, so that the hind angles appear prolonged backwards. *Elytra* with a distinct sutural stria, and rather closely transversely strigose. *Spurs* of hind tibiae elongate.

The male has the front and middle tarsi greatly dilated. The species apparently varies much in size.

There can be no doubt that this insect is congeneric with *Choleva antipodum*, Kirsch, but whether it be so with our European species I cannot decide at present. *C. lugubris* resembles a good deal the European *C. coracina*, though very distinct by its sculpture.

Greymouth. Mr. Helms.

### Isocolon.

*Nov. gen.*

The insect for which this genus is intended cannot be associated with *Aspharites*, though the sternal structure is very similar, nor can it be placed with its *Choleva* allies.

*Body* compact, perfectly oval, regularly convex, finely marginated. *Head* broad, inserted up to eyes, not trigonal; its short frontal portion nearly vertical, limited behind by a slightly-curved interantennal suture; *labrum* incurved at apex; *mandibles* broad and prominent; *eyes* not at all conspicuous, not convex. *Antennæ* inserted just below the edge of forehead in front of the eyes, very Anisotoma-like, short; second joint shorter and more slender than the cylindric first joint; third nearly twice the length of fourth; joints 4-6 decrease in length; these joints rather slender, the terminal five, excepting the minute eighth joint, abruptly larger; seventh, ninth, and tenth transverse; eleventh large, conical. *Thorax* transverse, curvedly narrowed towards the front; apex subtruncate, its angles quite obtuse, not at all projecting; base truncate, with almost rectangular angles. *Scutellum* small, broadly triangular. *Elytra* of the same width as thorax at base, gradually narrowed posteriorly, covering the abdomen. *Legs* short, *tibiae* straight, slender, multi-spinose externally, with well-developed apical spurs; *tarsi* slender and elongate. *Coxæ* contiguous, the anterior placed near the front of the breast; intermediate minute, deeply imbedded. *Prosternum* deeply and widely emarginate, depressed or hollowed laterally. *Mentum* truncate. *Palpi* with acuminate terminal joints. *Meta-sternum* moderate, not depressed at the sides. *Abdomen* on a lower plane. *Epipleuræ* linear behind.

1912. **I. hilaris**, *n.s.* *Shining*, nearly glabrous, castaneous; head, sides of thorax, base and apex of elytra paler; tibiae dark-red; five terminal joints of antennæ blackish, the others pale-ferruginous; tarsi and palpi yellow.

*Head* and *thorax* almost without sculpture, there being only a few isolated punctures along the base of the latter. *Elytra* with about eight rows of fine punctures on each, these punctures and the

lateral margins become indistinct behind, the sutural row, however, forming a well-marked stria after the middle; interstices simple. The *legs* bear fine yellow setæ.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Clevedon. One example, from Mr. George Munro.

## Group—CORYLOPHIDÆ.

### Sacina.

#### Nov. gen.

*Body* ovate-oblong, moderately convex, pubescent. *Antenna* comparatively elongate, apparently ten-jointed, club evidently triarticulate.

This genus approaches *Sacium*, but has not a five-jointed antennal club. The *tarsi* are rather long, and furnished with much villosity, so that their exact structure cannot be determined very accurately, but the terminal joint is longer than the preceding ones, the penultimate is minute, and the preceding one has an appendage which extends forwards some distance below the apical one; the claws are moderately large, with a pair of basal dentiform projections. The *head* is small, and is entirely concealed above by the anterior prolongation of the pronotum. The *eyes* are distinctly faceted. The *process* of the prosternum is elevated, rather narrow, and extends to the head; the *prosternum*, in front, is provided with two elongate transparent spaces. *Coxæ* rather small, the anterior contiguous, or nearly so; the others widely separated. *Metasternum* moderately elongate, quite truncate between the coxæ. The basal segment of the *abdomen* is about as large as the metasternum, with a straight frontal suture; the following four segments are short, the sixth rather narrow. The *elytra* usually leave two apical ventral segments uncovered.

1913. *S. oblonga*, n.s. *Ovate-oblong*, moderately convex, with distinct yellowish pubescence; variegate-castaneous, femora fuscous, tibiæ fulvescent, tarsi yellow, front of thorax pallid and more or less transparent; moderately shining.

*Thorax* about half as long as the *elytra*, somewhat narrowed and strongly rounded anteriorly, finely margined, base feebly sinuate; posterior angles a little prolonged backwards, so as to rest on the shoulders, nearly acute; the surface is very finely and rather distantly punctured. *Scutellum* distinct, rounded behind, with a few minute punctures. *Elytra* slightly broader than the thorax, a little narrowed posteriorly, apices broadly rounded and ciliated with very fine greyish hairs; the suture is a little raised behind the middle, the surface is finely and regularly punctured, and there is a fine sutural stria on each, which, however, is quite obliterated towards the base.

*Underside* finely sculptured, evidently pubescent.

*Antennæ* testaceous; club large, three-jointed, fuscous, opaque, finely pubescent; they bear slender outstanding hairs; the basal joint large and thick, its point of articulation hidden between the head and prosternum; second just perceptibly longer than the first, a little curvate; third about half the length and thickness of the second; fourth minute; sixth larger than the fifth or seventh. If what I consider the minute fourth joint should ultimately prove to be merely a portion of the following one, the antennæ must be termed nine-jointed. I experienced great difficulty in dealing with these organs, owing to the presence of some sticky substance, and destroyed about six pairs. The joint I specially refer to was detected by means of a half-inch lens.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

I found this insect on foliage about fifteen years ago at Tairua, and I possess two from Otago, as well as others from intermediate localities.

### Sericoderus.

(*Stephens; Illust. British Entom.*, Vol. ii., p. 187.)

*Trophi* very minute. *Antennæ* rather elongate, slender, the three last joints forming an elongate capitulum: *head* small, concealed beneath the anterior margin of the thorax, which is slightly produced: *thorax* sericeous, broad, subtriangular, the hinder angles somewhat acute: *elytra* sericeous, slightly gibbous anteriorly, a little depressed behind, the apex distinctly truncate: *legs* slender; *tarsi* obscurely articulated.

This genus is at once known from the rest of the family by its truncate elytra, combined with the triarticulated capitulum of its antennæ, minute head, and projecting anterior margin of the thorax, exclusive of other characters.

1914. *S. fulvicollis*, *n.s.* *Broad*, subovate, widest before the middle, gradually narrowed posteriorly, rounded towards the front, convex; shining, clothed with suberect straw-coloured hairs; thorax fulvescent, elytra chestnut-red; trophi, antennæ, and legs testaceous, club slightly darker.

*Head* invisible above, smooth underneath. *Thorax* finely margined; the base, along the middle, truncate, but near the sides gradually prolonged backwards, so that the subacute hind angles overlap the shoulders; its surface is apparently impunctate. *Scutellum* rather large, smooth, rounded behind, not at all triangular. *Elytra* with fine sutural striæ, finely and rather distantly punctured, apices very broadly rounded, subtruncate, finely ciliated.

*Underside* castaneous, metasternum and basal abdominal segment rather darker and more convex than the remaining segments; pubescence distinct.

*Antennæ* moderately elongate, basal joint large and thick; second nearly as long but not so broad; third smaller than fourth; fifth rather larger than the preceding one; sixth narrower than fifth or seventh; eighth slightly broader and shorter; club elongate,



three-jointed; they are provided with slender outstanding hairs. *Legs* stout, pubescent; *tarsi* with conspicuous hairs, *claws* large.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{3}{8}$  line.

Paparoa, near Howick.

1915. **S. scutellaris**, *n.s.* *Shining*, pubescent, *thorax* bright-fulvous, *elytra* castaneous.

This species, though very much like *S. fulvicollis*, may be distinguished by the *thorax* being more brightly coloured, but with a dark streak along its base; the *elytra* are darker, more distinctly punctured, especially behind, and with truncate apices. The two exposed ventral segments are minutely punctured, the basal being chestnut-coloured, the other yellowish. The *scutellum*, moreover, is quite different, being broad and triangular.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{3}{8}$  line.

Mokohinou Island. Two examples, from Mr. Sandager.

1916. **S. basalis**, *n.s.* *Castaneous*, the thoracic disc and sides of *elytra* darker, frontal portions of thoracic margins fulvescent, *legs* and *pygidium* obscure-testaceous.

Most nearly resembles *S. fulvicollis*; the pubescence shorter; *scutellum* broader, less rounded, curvilinearly triangular. It may be identified by an examination of the base of the *elytra*, the scutellar region being raised, and this elevated part is well defined by two convergent oblique depressions.

Length, nearly  $\frac{5}{8}$ ; breadth,  $\frac{3}{8}$  line.

Howick (Paparoa). Two examples.

## Group—NITIDULIDÆ.

### Homepuræa.

#### *Nov. gen.*

*Body* moderately evenly convex, subovate. *Head* obliquely, not abruptly, narrowed in front, forehead without distinct frontal suture, so as to appear confounded with the labrum; which is very short, broadly curved in front, and with a narrow excision at the middle. *Mandibles* exposed in front, strongly curved. *Eyes* large and prominent. *Antennæ* inserted below the edge of the forehead, just in front of the eyes; basal joint rather longer and much thicker than second; joints 3–5 elongate, nearly equal; sixth and seventh short; eighth rather small, expanded apically, about one-third the breadth of the following one; ninth and tenth transverse, eleventh short and broad. *Antennal furrows* continued backwards underneath to hind margin of eyes, not convergent. *Thorax* about twice as broad as long, sides not explanate, finely margined, rounded and narrowed towards the front, apex emarginate, posterior angles obtusely rounded, resting on base of *elytra*, base subtruncate. *Scutellum* broad. *Elytra* not at all elongate, gradually narrowed posteriorly, apices broadly rounded. *Legs* robust, *tibiæ* gradually thickened, posterior a little bent, bispinose at extremity; external face of the anterior

minutely serrate. *Tarsi* with sponge-like villosity underneath, and with some long projecting hairs; first three joints very broad—anterior—and almost lunate, with elongate lobes; fourth small and narrow; fifth elongate; the middle pair smaller, hind pair still less expanded. *Prosternum* with a finely-margined process extending just beyond the coxæ. *Mesosternum* incurved in front, broadly impressed, its suture rounded between the coxæ. *Metasternum* rather short. *Abdomen* moderate, basal segment as large as the next three, subtruncate between the coxæ; the fifth rather long and hollowed behind, so that the narrow sixth segment is quite exposed, this segment rather densely pubescent and with a lunate channel near its base. *Epipleuræ* quite linear in line with fifth segment. *Coxæ* very similar to those of *Soronia*.

Allied to *Epuræa* and *Soronia*.

The type is No. 307, now *Homepuræa amæna*, a rather elegant insect with variegate clothing; many of the hairs lie flat on the surface, causing it to appear as if marked with slender longitudinal rugosities or aciculate impressions; the sculpture, however, consists chiefly of fine punctures.

### Soronia.

1917. **S. morosa**, *n.s.* *Oblong*, subdepressed, nigro-fuscous; sides of thorax and elytra infusate-red; legs and antennæ red, tarsi fulvous; clothed with slender yellowish hairs, and short thick bent setæ, many of which are obscurely coloured, whilst others are yellowish.

*Head* somewhat rufescent in front; eyes very convex and prominent. *Thorax* transverse, widely emarginated at apex, base feebly sinuate; sides moderately explanate, narrowed, but hardly at all sinuated, towards the front; anterior angles rounded, posterior oblique; surface uneven, broadly transversely impressed before the middle, and with six somewhat rounded impressions near the base; moderately closely but not coarsely punctured. *Scutellum* broad. *Elytra* oblong, their margins like those of the thorax; broadly impressed behind the scutellum, indistinctly variegate with obscure-red, their sculpture concealed by the peculiar setæ. *Tibiæ* simple, gradually expanded towards the extremity, apical spines small.

Rather larger than *S. optata*, without the elytral fascia, punctation of thorax easily seen, &c.

Length, 2 lines; breadth,  $\frac{7}{8}$  line.

Wellington. One example, from Mr. Sandager.

1918. **S. micans**, *n.s.* *Shining*, clothed with very fine pallid setæ or hairs; variegate, most of the body castaneous, sides broadly testaceous, a curvate mark on each side of scutellum, and two spots between hind thighs, also testaceous; front tibiæ, antennæ, and head reddish, thoracic disc redder than elytra.

*Head* angularly impressed between the eyes, moderately closely and distinctly punctured; eyes prominent and convex. *Thorax* transverse, sides a good deal explanate, very little curved, more

narrowed in front than behind, apex emarginate between the sharply-rounded angles, posterior angles rectangular but with a short oblique sinuosity just in front of them; the surface slightly uneven, there being two large shallow impressions behind the middle, punctuation moderately close. *Scutellum* broad, punctate. *Elytra* gradually narrowed towards the obtusely-rounded apex, impressed behind the scutellum, and with two or three obsolete longitudinal elevations; their punctuation similar to that of the thorax. *Tibiæ* slender at base, gradually dilated beyond, the groove along the external face of the two hind pairs bordered with fine yellow ciliæ.

This species, in general appearance, looks more like a large *Epuræa*—*E. zealandica* for example—than a *Soronia*, but lacks the distinguishing character of that genus (the deeply-notched labrum). It is of oblong form, and of about the same size as Herr Reitter's *S. oculata*; the coarse setæ seen in that insect, however, are here wanting.

Length,  $2\frac{3}{8}$ ; breadth,  $1\frac{1}{8}$  lines.

Otago. Mr. T. Chalmer sent me the only specimen he found.

## Platipidia.

*Nov. gen.*

Like *Soronia* in structure. The *antennal grooves* extending along the inner margin of the eyes, but only slightly directed inwards. Anterior *tibiæ* simple; intermediate broadly grooved along the external face; posterior similarly channelled, open near the extremity, the basal portion slender for one-third of the length, then abruptly thickened or angulated on the inside. *Coxæ* gradually more widely separated, the hind pair more widely separated by the broad, scarcely angulated abdominal process than is the case in the European *Soronia grisea*. *Labrum* transverse, emarginate in front, with oblique angles.

The institution of this genus was suggested by some observations of Dr. Sharp concerning the *Soronia oculata* described by Herr Reitter.

1919. **P. asperella**, *n.s.* *Oblong*, subdepressed, opaque above, variegate; mostly fuscous, the head and sides of the body broadly obscure-testaceous, as are also some irregular marks on the elytra; legs and antennæ rather more rufescent.

*Head* moderately closely punctured, forehead broadly rounded, with a distinct impression near each antennal orbit; eyes prominent. *Thorax* transverse, sides explanate, widest behind the middle, from thence rounded to the rectangular, but not acute, hind angles, curvedly narrowed towards the front, apex widely emarginate; its surface punctate, coarsely on the sides, covered with yellowish setæ, some more slender than others (hairs, in fact) and depressed, many rather coarse and bent, and, besides these, there are a good many dark spots formed apparently of blackish setæ. *Scutellum* broad, closely punctate. *Elytra* with, on each, three or four series



of dark raised spots similar to those on thorax; they are punctate and clothed like it. *Legs* short and robust; hind tibiæ of the male slender near the base, then abruptly incrassate so as to be quite angulate on the inner side; the grooved pairs bear lines of fine yellowish ciliæ.

Female. Posterior tibiæ gradually thickened, not open near the extremity.

*Underside* shining, pale-chestnut, finely and closely punctate. Epipleuræ quite linear behind.

The thorax is rather short and broad as compared with allied species, *S. oculata*, judging from the description, being the nearest ally.

Length,  $2\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Clevedon. One pair sent, by Mr. G. Munro.

### Cyclaxyra.

*Nov. gen.*

*Body* very convex, compact, rotundate-oval, finely margined, somewhat similar to an *Adolopus*. *Head* rather large, mobile, inserted up to the eyes, abruptly narrowed in front of these; forehead truncate in front. *Labrum* not short, strongly rounded and simple at apex. *Eyes* large, but not at all prominent except in front, quite lateral, longitudinally oviform, finely faceted. *Antennal cavities* large; the grooves extending backwards underneath, their inner margin quite straight, the outer, owing to the channel being much wider in front, oblique, thus appearing more convergent than they really are; the intervening space quadrate. *Antennæ* implanted in front of inner margin of eyes; basal joint broad; second as long as first, slender, cylindrical; joints 3-5 similar in form to the preceding one, but shorter and more slender; seventh and eighth short; club oblong, triarticulate. *Thorax* strongly transverse, closely applied to base of elytra, hind angles not resting on the shoulders; apex not emarginate, only a little sinuate behind the eyes. *Scutellum* moderately large, rounded behind. *Elytra* large in proportion to size of thorax. *Prosternum* deeply emarginate in front; its process broad, raised between the coxæ, extending from base to apex; flanks deeply concave; coxæ small, deeply sunk, widely separated. *Mesosternum* extremely short in the middle; middle coxæ more widely distant than the others. *Metasternum* very large, broadly rounded in front between the middle coxæ. *Abdomen* broad, scarcely longer than the metasternum, basal segment, in the middle, not as long as the next two taken together, angulated between the posterior coxæ; fifth segment only half the breadth of those in front of it, but longer. *Epipleuræ* broad near the base, very deeply scooped out or hollowed as far as apex of metasternum, behind this they are on a level with the abdomen, afterwards becoming linear near the extremity. *Legs* slender; tibiæ a little dilated towards the apex, where they are finely bispinose. *Tarsi* slender, not expanded, the first four joints of the anterior about

equal, basal joint of posterior elongate, fourth minute, the elongate apical one appearing as if articulated above it.

1165. **C. politula.** *Shining*, black, glabrous, the lateral margins and tibiæ red, tarsi paler, antennæ somewhat variegate, second joint paler than the other dark ones.

*Head* moderately distantly punctured. *Thorax* indistinctly and remotely sculptured. *Elytra* very convex, their punctuation fine, shallow, and not very evident.

*Underside* shining, rufo-piceous, more evidently punctured than the upper surface.

Length, 1; breadth,  $\frac{5}{8}$  line.

*Tairua.* Three examples off shrubs. This species was formerly named *Cyclomorpha*, but, as I find the name had been used before, I have substituted *Cyclaxyra*. As it is a very interesting genus the new name is accompanied by the description.

### **Priasilpha.**

*Nov. gen.*

*Body* subdepressed above,\*transversely convex below, oblong-oval, attenuate posteriorly. *Head* immersed up to eyes, narrowed and prolonged in front of antennæ, frontal suture deep and straight. *Labrum* transverse, entire. *Palpi* short and stout, their apical joints almost cylindrical, truncate at apex. *Mandibles* acutely produced at extremity. *Eyes* large and convex. *Antennæ* implanted, not in cavities, but on the front margin of the eyes; in repose they are bent backwards along the breast, the basal joint being shielded between the front angle of the thorax and a carina, which limits the middle and flanks of the prosternum, and impinges on the eye, but there is no distinct antennal groove whatever; their basal joint slender at base but much dilated beyond, second thicker but not longer than fourth, third nearly twice as long as second, joints 6-8 submoniliform, club triarticulate, not very compact, basal joints transverse, terminal nearly conical. *Thorax* transverse, feebly emarginate in front, anterior angles not prominent, very obtuse; sides undulate, broader behind than in front; base bisinuate, its middle portion a little, but only obtusely, prominent, its angles nearly rectangular and resting on the elytra just inside the shoulders. *Scutellum* distinct. *Elytra* large, a little wider than thorax at base, three times its length, closely adapted to it, shoulders just about rectangular, much narrowed behind, apices sharply rounded, in the male leaving the apical ventral segment exposed. *Legs* elongate, slender; tibiæ somewhat bent inwardly beyond the middle, very slightly thickened externally near the extremity, where they are only feebly armed; tarsi narrow, pilose underneath, not much dilated in either sex. *Coxæ* small, deeply imbedded, the anterior widely separated by the broad prosternal process and distant from the front; middle pair widely distant, the intervening process flat, simple, truncate in front. *Metasternum* moderately long, evenly

convex; hind coxæ wide apart, abdominal process flat, strongly rounded in front. *Abdomen* elongate, all the segments well developed, the basal, at the sides, but little longer than the second. *Epipleuræ* quite linear in line with second abdominal segment.

The insect for which this genus is established looks as much like an obscure *Silpha* as it does any of the *Nitidulidæ* known to me.

1920. **P. obscura**, *n.s.* *Oviform*, much narrowed posteriorly, subopaque, fusco-piceous, legs and antennæ obscure rufo-fuscous; sparsely clothed with slender, depressed, yellowish and ash-coloured setæ.

*Head* flat between the antennæ, the punctures there rather larger and more distant than elsewhere. *Antennæ* sparingly, the club more densely, clothed with yellow pubescence. *Thorax* nearly twice as broad as long, widest behind the middle, slightly narrowed behind, with a sinuosity near the middle, and then obliquely narrowed towards the front; the surface finely and distantly punctured, almost smooth on the middle, but with rather coarse punctures near the sides; it is uneven, being convex across the widest part, and depressed towards the front and base, its sides can hardly be termed explanate, being only flattened or feebly concave, with slightly-raised margins, near each side at the base there is a large obvious depression. *Scutellum* nearly or quite smooth. *Elytra* convex, thrice the length of the thorax, shoulders a little broader than its base; the sides nearly straight for about one-fourth of their length, then somewhat obtusely dilated, and afterwards gradually narrowed posteriorly; their punctuation closer on the base and sides than on the middle.

*Underside* nearly black, more finely and sparingly clothed than above; middle of prosternum quite opaque and subgranulate, the flanks shining and very coarsely punctured or pitted; abdomen finely sculptured.

Sometimes the sides of the thorax and the apex of the elytra are rufescent, but the surface is generally covered with sappy matter, causing it to appear more opaque than it is in reality.

Length,  $2\frac{1}{4}$ – $2\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Mount Cook. I am indebted to Mr. H. Suter for a good series of this curious insect.

### Ips.

1921. **I. minimus**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 391.) *Brunneo-castaneus*, nitidulus, supra subænescens, elytris fusciscentibus, basin versus externe vage testaceo-signatis, obsoletissime striatis.

Long., 3mm.

*Antennæ* red, with large three-jointed club, which is dusky; *head* very broad, narrowed and prolonged in front of the insertion of the antennæ, labrum connate with front, but the suture still perceptible: *thorax* large, just as broad as the elytra, and closely applied to them, rather strongly transverse, nearly straight at the sides,



which are evenly and finely margined, base not margined, surface, like that of the head, evenly and finely punctate: *elytra* rather darker in colour than the other parts, with a large mark of irregular form, and more pallid colour near the base externally; they are finely punctulate and indistinctly striate, the sutural and external striæ being, however, quite distinguishable.

This little creature marks the existence of a quite unsuspected element in the New Zealand coleopterous fauna. Though from its small size it is very different from the other species of the genus known to me, I am scarcely inclined to separate it generically at present; but it presents the following differential characters: The thorax has no trace of basal margin, the antennal sulci are directed less inwards, and the prosternal process is remarkably elongate and prominent, so that it attains the front of the metasternum, the mesosternum in the middle being quite smooth for its accommodation. The front coxal cavities are broadly open behind.

Kumara. Helms; a single example.

OBS.—Dr. Sharp probably overlooked the description of No. 1166 (*Priates optandus*), a species which differs but little from his.—T. B.

## Group—TROGOSITIDÆ.

### *Promanus* (Gen., p. 180).

1922. *P. auripilus*, *n.s.* *Elongate*, parallel, subdepressed, but little shining; sparsely clothed with short, bright, yellow hairs; dark-castaneous, explanate, sides of thorax and elytral rims paler, legs and antennæ rufo-testaceous.

*Head* with but few punctures on the middle, but more closely sculptured near the prominent eyes. *Thorax* very transverse, the middle of the sides wider than the base of the elytra; distantly and moderately finely punctured, the sculpture becoming coarser towards the sides. *Scutellum* broad, very pubescent. *Elytra* wider behind than in front, each with about eighteen tolerably regular rows of distinct punctures. *Legs* short.

Two examples of *P. depressus*, from Otago, the only ones I have seen, are rather broader than *P. auripilus*, but with a narrower thorax, so that they are less parallel-sided; the clothing and sculpture, too, are essentially unlike.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{2}$  lines.

I am indebted to Mr. G. V. Hudson, of Wellington, for my specimen.

### *Grynoma*.

1923. *G. regularis*, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 78.) *Oblonga*, subparallela, parum convexa, fuscula; elytris ferrugineo-variegatis; pube tenui erecta vestita; elytris pube albido-micante ornatis, punctis magnis fere seriatim dispositis sat distinctibus.

Long.,  $5\frac{1}{2}$  mm.

Of rather parallel and elongate *form*. *Antennæ* black. Head about half as broad as the thorax, its sculpture dense, but much concealed by an elongate pubescence. *Thorax* very transverse, twice as broad as long, the sides rounded, becoming a little broader from the front to near the base, and thence a good deal narrowed, the hind angles definite and not far from being rectangular; the surface densely sculptured, and pubescent like the head. *Elytra* nearly black, much variegated with pale-red, and with a very conspicuous maculation caused by patches of shining white down; the surface bears large and deep round punctures; these are not close together, and are not altogether regularly arranged; from each springs a slender, elongate, erect seta. Undersurface and legs nearly black; *tarsi* obscure-reddish.

This species is very readily distinguished from the others of the genus by its more elongate parallel form, and the very different elytral sculpture. It no doubt varies in colour to a considerable extent.

Greymouth. Helms.

## Group—COLYDIIDÆ.

### Tarphiomimus.

1924. **T. wollastoni**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 79.) *Oblongus*, superne valde inæqualis, squamulis sub-variegatis dense vestitus; prothorace basi gracili, lateribus antierius explanatis, in lobis tribus divisus; pedibus sat gracilibus.

Long., 4mm.

This species is very similar to *T. indentatus*, Woll., but is perfectly distinct therefrom by some important minor points. The *thorax* has the sides divided in front into three lobes, the posterior fourth lobe seen in *T. indentatus* being here absent, and thus the basal portion of the prothorax appears more elongate and slender. The *elytra* are even more uneven than in *T. indentatus*, but their disc is flatter, owing to the fact that the irregular oblique elevation extending from about the middle of the suture directly towards the shoulder in *T. indentatus* is absent in *T. wollastoni*. The legs are considerably more slender in *T. wollastoni*.

Greymouth. Helms.

OBS.—This species has been found in Otago by Messrs. Chalmer and Fulton.—T. B.

### Ulonotus.

1925. **U. fulvus**, *n.s.* *Oblong*, sparsely setose, fulvescent, head and thorax redder than the elytra, legs yellow.

*Head* granulate; antennal prominences large, covering nearly the whole of the basal joint of the antennæ. *Thorax* transverse, the sides widely explanate and trilobate, the anterior lobe large, the other two extremely narrow, so that the intervening spaces are almost as large as the front lobe; the disc granulate, uneven, there being a small depression near the scutellum and a much larger one

along the middle not far from the front. *Elytra* oblong, closely and rather coarsely sculptured in series; these series appear in some lights to consist of punctures, in others of granules, at any rate from each puncture or granule there arises a distinct curled seta, brown or yellowish, similar setæ can be more easily seen along the lateral margins, which seem as if finely crenulate; there are two short basal elevations, and ten small ones behind, five on each elytron, clothed with bright fulvous setæ. *Antennæ* pubescent, joints 5-8 small, ninth not quite as broad as the tenth.

Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{1}{2}$  line.

Moeraki. My specimen was found by Mr. Sandager.

1926. **U. dissimilis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 387.) *Oblongus*, angustulus, subdepressus, fuscus, supra sordide fusco-rufus, antennis pedibusque rufis, illis clava, his tibiis externe in medio fuscis; *prothorace* subæquali, lateribus anguste explanatis, integris, *elytris* brevissime setulosis, tuberculis parum elevatis seriatim dispositis.

Long.,  $4\frac{1}{2}$ -5mm.

Third joint of *antennæ* slender and elongate, nearly twice as long as the third (?); club large, the ninth and tenth joints darker than the others, the ninth three times as broad as the eighth. *Head* elongate, without any elevations over the insertion of the *antennæ*, the surface opaque, densely sculptured; but the sculpture is very obscure, owing to depressed minute squamæ concolorous with the surface. *Thorax* strongly transverse, the sides nearly straight, but with a very slight emargination in the middle, the anterior angles rather strongly prominent, the posterior nearly rectangular; the surface is covered with granules, the disc very slightly depressed, and, though the surface is slightly uneven, there are no definite elevations. *Elytra* rather elongate and narrow, with three series of very slightly elevated tubercles, and with very indistinct series of small punctures. The legs are rather slender.

Though this is, apparently, a not uncommon insect in New Zealand, and I some years ago received an example from Captain Broun, I cannot find any description in his Manual, or the supplements, to agree with it. It was found in numbers at Bealey and Picton by Helms. Reitter sent me an example some time ago from Greymouth, and it was represented in Murray's New Zealand collection. There seems to be little to distinguish it from the type of *Ulonotus*, except the longer head, without elevations over the *antennæ*.

### Bitoma.

1927. **B. sellata**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 385.) *Angusta*, oblonga, subdepressa, fusco-rufa, supra fusco-ochracea, *elytris* plaga commune post scutellum nigro-fusca, antennis pedibusque testaceis; *prothorace* lateribus profunde excisis, lobis angustis longe separatis; *elytris* tuberculis parum elevatis, subseriatim dispositis.

Long.,  $3\frac{1}{4}$ mm.



*Antennæ* red, club not darker; third joint much more slender than second, and a little shorter than it, but little longer than broad; 4-9 small, similar to one another; the two terminal joints forming an abrupt, rather broad club. *Thorax* with uneven surface, and explanate sides, the explanate portion divided by very large excisions into three elongate slender lobes, one of which projects much forwards and forms the produced very acute front angles, the two others project outwards, and the hind angles form a fourth but very minute prominence. *Elytra* not at all explanate at sides, bearing numerous blunt slight tubercles. The upper surface is obscurely squamulose and setulose, and there are some minute dark marks, in addition to the common dark mark placed some distance behind the scutellum and by which the species may be readily recognised.

This little insect is very strange in *Bitoma*, owing to the deeply-rugged sides of the thorax, which are like those of *Tarphiomimus* and some of the small *Ulonoti*; but the two-jointed club of the antenna makes its position at present to be more correct in *Bitoma*, to which genus it is connected, as regards the sides of the thorax, by the two species next described. Broun has proposed to separate, under the name of *Notoulus*, those forms allied to *Ulonotus* by the explanate and indented sides of the thorax, but having, like *Bitoma*, only a two-jointed club: as no character is mentioned by which his genus can be separated from *Bitoma* other than the shape of the thorax, and as this in the New Zealand species is too variable to serve when used alone as a generic character, I do not adopt the genus at present, though I do not think the species here described as *Bitoma*, or, indeed, any of the New Zealand species, will ultimately prove congeneric with the European type of the genus.

Greymouth. Helms.

1928. **B. auriculata**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 385.) *Oblonga*, angustula, ferruginea; capite supra antennæ fortiter elevato; *prothorace* lateribus anterioribus lobato-prominulis, posterius longius denticulatis; *elytris* tuberculis fasciculatis, parum elevatis, seriatim dispositis.

Long.,  $3\frac{3}{4}$ mm.

This species is very like a small *Endophlæus*; but, though there is a slight enlargement of the ninth joint of the *antennæ*, and the club itself is rather slender, yet it is very evidently only two-jointed. The *head* is remarkably strongly elevated at each side over the antennal cavity, and the first joint of the antenna is concealed; the sides of the submentum are quite prominent, and there is thus formed a well-marked antennal fovea adjacent to the eye; the legs are short, and there is a very slight incrassation of, and prolongation of, the undersurface of the basal joint of the tarsus. The form of the *thorax* is remarkable, the front half having the sides dilated as an explanate projection, as in *Tarphiomimus*, while the posterior half is not explanate, but merely armed with some elongate denticles or serrations; the surfaces of the head and thorax are rather closely granulate, and the latter is a little uneven; the *elytra* have regular

series of punctures, which, however, only look like punctures when viewed from one direction, and each also has three series of three or four small tubercles, which are a little hispid at the summit; near the scutellum at the base is a longer elevation, and the lateral margins are minutely serrate and hispid. The *tibiæ* are destitute of any but very fine clothing.

New Zealand. A single example, from Murray's collection.

1929. **B. serraticula**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 386.) *Oblonga*, angustula, fusco-ferruginea, antennis pedibusque rufis; *prothorace* lateribus minus explanatis, serratodentatis; *elytris* regulariter seriatim sculpturatis, hispidulus, guttulis minutis ferrugineis, griseo fasciculatis.

Long.,  $3\frac{1}{2}$ mm.

This is allied to *B. auriculata*, having a similar structure of the head and legs, though the elevations over the antennæ are not so large; the sides of the thorax, however, are different, owing to the anterior explanation or lobe being here less developed. The *thorax* is rather strongly transverse, the surface a little uneven, like the head, closely granulose. The *elytra* have a very regular serial sculpture, consisting of about nine rows of punctures, the punctures being connected by a series of five crenate elevations; they are also regularly hispid, and have each three series of distinct, pallid-red, minute spots, the fasciculation of these spots being pallid. The *legs* are short and stout.

New Zealand. A single example, from Murray's collection.

1930. **B. mundula**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 386.) *Oblonga*, angustula, subdepressa, fusco-ferruginea, subtiliter squamosa haud hispida, antennis pedibusque rufis; *prothorace* lateribus anteriùs lobato-explanatis, posterius constrictis; *elytris* tantum ante apicem tuberculatis, apice abruptius declivo.

Long., 3mm.

*Antennæ* short, with rather large two-jointed club. *Head* but little elevated at sides over the antennæ. *Thorax* with numerous slight depressions, rendering the surface even [uneven.—T. B.], not hispid, and only with very obsolete sculpture, bearing a scanty, extremely fine squamosity, which is more condensed near the sides, so that the surface appears there griseous; the explanate lateral margin is yellowish; it forms a rather large lobe, extending back more than half the length of the thorax, and has a distinct notch before its termination, leaving behind it a slender, rather short, lobe or projection; the hind angle is also slightly prominent. The *elytra* have no distinct sculpture, but are dull; a little before the apex there are some slight tubercular prominences, the projection being rather backwards than upwards, so that the apex appears rather abruptly declivous, and this part is of rather darker colour, the lateral margins only very obsoletely serrate.

Picton. Helms; one example. Distinguished from *B. auriculata* by the different sides of the thorax and sculpture, and the slighter elevations over the antennæ.

**Coxelus.**

1931. **C. rufus**, *n.s.* *Subopaque*, dark-red, clothed with pale-yellow setæ. *Head* indistinctly impressed along each side, granulate. *Thorax* widest near the front, gradually narrowed towards the base, its lateral margins closely serrate or denticulate, more widely explanate in front of the middle than behind; its surface granulate, with a broad shallow impression before the middle, two smaller ones behind that, and with a narrow depression along the base. *Elytra* with two large but not deep depressions nearly as far back as the hind thighs, scutellar region not depressed; with rows of small granules or punctures, from these the setæ arise. *Legs* with slender yellow setæ.

*C. chalméri* is a quite different insect. *C. dubius* makes the nearest approach to this species, from which, however, it differs in the more widely explanate sides of the thorax, causing the front part to appear broader; the sculpture, too, is different. The elytral sculpture is very difficult to determine, for when examined in one way it seems to consist of small shining granules, whilst when viewed in other directions these rows of granules appear as if transformed into punctures.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Taieri, Otago. Mr. S. W. Fulton; a single individual.

1932. **C. posticalis**, *n.s.* *Opaque*, rufo-castaneous, legs paler; the antennæ, save the reddish two basal joints, nigro-fuscous; the setæ yellow, very coarse and squamiform, somewhat unevenly distributed on the elytra, more slender on the head and thorax, quite fine and short on the legs.

*Head* roughly sculptured; eyes prominent. *Antennæ* short, basal joint almost invisible above; second stout, twice as thick as and distinctly longer than the third; 4–8 small, about equal; ninth a little larger than the preceding one; club broad, biarticulate. *Thorax* slightly broader than long, widest near the front, gradually narrowed towards the base, the marginal channels distinct; its sculpture granular, with an elongate dorsal depression, and a less distinct one nearer each side. *Elytra* without depressions, obliquely narrowed and subacuminate apically; they are apparently striate-punctate, but when examined from behind the sculpture seems to consist of series of granules. The *legs* and *tarsi* rather stout.

A rather small species, which may be easily identified by the peculiar form of the posterior portion of the elytra, and the unusually dark antennæ.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Moeraki. One example, sent by Mr. Sandager.

1933. **C. ovicollis**, *n.s.* *Subopaque*, obscure rufo-fuscous, legs and antennæ sordid-testaceous or slightly fulvescent, club infusate; it is clothed with short, coarse, pallid, scale-like setæ, the tibiæ with yellow hair-like setæ.



*Head* granulate; eyes prominent. *Antennæ* short, the basal joint only partly visible from above. *Thorax* about as long as it is broad, its sides regularly rounded, so that the front is but little broader than the base, the lateral margins not widely explanate, the channels somewhat indistinct; there is a narrow central depression, the surface is closely granulated. *Elytra* rather wider than the thorax, rounded behind, scutellar region depressed; they appear to have rows of rather coarse closely-placed punctures, but when looked at in certain ways they appear as if covered with short transverse rugosities.

This species is distinguished by its oviform thorax, which is only slightly broader before than it is behind the middle.

Length, 1; breadth,  $\frac{3}{8}$  line.

Moeraki. I have seen one only, sent by Mr. Sandager.

1934. **C. longulus**, *n.s.* *Subparallel*, moderately elongate; opaque, variegate, piceous and rufescent, legs and antennæ reddish, club infusate; clothed with short, coarse, erect, fuscous and pallid scale-like setæ, the legs with fine setæ.

If it were not for the presence of squamiform setæ this species might be readily mistaken for *C. chalmeri*. The *elytra* are without distinct elevations, but the suture is raised, and there are mere traces of basal inequalities. The insect appears narrower and more parallel-sided. *Thorax* widest near the front, the marginal channels broader there than elsewhere; with four depressions, as in *C. chalmeri*—two along the middle, the basal one the smaller, and two large ones near the base, one at each side of the central pair.

*Underside* opaque, fuscous, sparsely clothed with very small slender setæ. Prosternal process with slightly-raised lateral margins, so as to appear bisulcate. There are not so many granules on the sides of the prosternum as there are on the middle.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{1}{2}$  line.

Moeraki. I have seen three specimens, all forwarded by Mr. Sandager.

## Heterargus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 384.)

*Oculi* minuti; *antennarum* clava abrupte biarticulata; *canalicula* subocularis lata et profunda; *pedes* omnes sat distantes.

The little insect for which this new generic name is proposed is more nearly allied to *Coxelus* than to any other New Zealand form. The *eyes*, however, are quite rudimentary, and the minute ciliated prominence existing behind the eye in *Coxelus* is quite absent; the *mentum* is larger, and the front and middle *coxæ* are slightly more distant; the last joint of the maxillary *palpus* is more acuminate, and the basal joint of the *antenna* is not concealed, as it is in *Coxelus*. The *metasternum*, ventral segments, and legs are but little different from those of *Coxelus*. The only species yet discovered has the prosternum between the front *coxæ* traversed by two deep impressions.

1935. **H. rudis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886 p. 384.) *Fuscus*, antennis pedibusque rufis; fere nudus prothorace fortiter transverso, inæquali; elytris obsolete tuberculatis.

Long.,  $2\frac{3}{4}$  mm.

*Antennæ* small, with short two-jointed club. *Head* with clypeus distinctly marked off, and scarcely sculptured, with a small elevation over the insertion of each antenna. *Thorax* broad, the front angles but little prominent, the surface uneven, but very indefinitely sculptured, the lateral margins thick, obsoletely tuberculate seriate. *Elytra* rather short, with an obscure sculpture arranged longitudinally, consisting of series of very minute elevations, and with two or three interrupted series of larger, but still small, elevations.

This species is very difficult to describe, owing to the undecided character of the sculpture; but the minute eyes, and the two peculiar depressions between the front coxæ, will render its recognition easy.

Grey mouth. Helms.

## Gathocles.

*Nov. gen.*

*Body* oblong, rather broad. *Head* immersed up to the eyes. *Palpi* with the terminal joint broad near the base, but becoming acuminate. *Mentum* large. *Eyes* small but distinct, coarsely faceted, concealed by the thoracic angles. *Antennæ* 11-articulate, club abruptly biarticulate. *Prosternum* medially truncate in front, the anterior angles obtuse but prolonged forwards, with two longitudinal grooves between the coxæ. *Mesosternum* rather large, with a smooth space in front for the accommodation of the prosternal process. *Abdomen* with broad deep sutures between its segments. *Tarsi* with the basal joint rather longer than the small second and third.

*Coxelus* and *Heterargus* are the nearest genera. The characters which distinguish this genus from the former are indicated above; in the second genus the basal joint of the antennæ is, apparently, wholly exposed, but in *Gathocles* that joint is partly concealed from above.

1936. **G. nodosus**, *n.s.* *Oblong*, transversely convex, bearing minute yellow setæ; opaque, fuscous, the front and sides of the thorax, and the elytral elevations, reddish; antennæ red, tarsi paler, legs rufo-piceous.

*Head* irregularly and finely granulate, nearly smooth between the antennæ; labrum almost smooth. *Antennæ* slender, shorter than thorax, the exposed portion of basal joint hardly any longer than the thick second joint, third distinctly longer than the small following ones, tenth and eleventh broad. *Thorax* much broader than long, deeply emarginate in front behind the eyes; disc transversely convex, the sides on a lower plane, appearing explanate and broadly hollowed, the lateral margins thick and somewhat reflexed, they are strongly rounded, but behind the middle are obliquely narrowed;

the dorsum is covered with small granules or rounded tubercles, it is uneven, with a rather deep, almost smooth, median depression having raised borders, the elevations are irregular. *Elytra* with several series of small rounded elevations or granules, rather irregular however; there are, on each elytron, three elongate basal elevations, and, in line with the sutural one, near the top of the hind slope, there is a shorter, more nodiform one, besides two or three smaller nodosities behind. *Tibiæ* nearly straight, the anterior with small but distinct spurs; tarsi with the intermediate joints equal.

*Underside* more or less granulate.

Very much like No. 1662, which must be placed in this genus, instead of being called *Coxelus grossanus*.

Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Moeraki. One example, from Mr. Sandager.

### Vitiacus.

*Nov. gen.*

*Body* elongate-oblong, narrowed posteriorly. *Head* exserted, forehead truncate. *Eyes* small, convex, with coarse facets. *Antennæ* 11-articulate, club abruptly biarticulate; basal joint concealed above by large setigerous prominences; second stout; third much smaller, not elongate, yet distinctly larger than the following ones; joints 4-8 small, nearly equal; ninth slightly broader than the eighth. The antenna, in repose, is received into a groove below the eye, as in *Coxelus*, but, as is not the case in that genus, the remaining joints are accommodated in a large cavity of the prosternum near the side and front. *Thorax* with the dorsum transversely convex, this portion as wide as the head; the sides deeply and broadly hollowed, with reflexed margins; anterior angles prominent but obtuse, the posterior rectangular. *Scutellum* minute or invisible. *Tarsi* narrow, their fourth joint as long as the other three taken together, the basal rather larger than the intermediate ones, singly. *Epipleuræ* broader than in *Coxelus*, not narrow till very near the extremity.

The above indicate the principal differences between this genus and *Coxelus*. *Chorasus* is distinguishable by the structure of the antennæ.

1937. **V. costatus**, *n.s.* *Elongate-oblong*, transversely convex, rough-looking, sparsely clothed with slender fulvous setæ; opaque, fuscous, the sides of the thorax, the legs and antennæ, of different shades of red.

*Head* covered with rather large, flattened, granular elevations, with a well-marked transverse groove behind, and another about midway between the centre and each side. *Antennæ* shorter than the thorax, club densely and finely pubescent. *Thorax* rather broader than long; apex emarginate near each side, more setose at the middle than elsewhere; the disc with a short longitudinal depression, and numerous granules, which are larger than those on



the head, in the lateral hollows the asperities are smaller and less numerous so that smooth spaces exist there; the sides are nearly straight behind, but are a little rounded near the front, the margins are closely studded with granules, thus appearing crenulate. *Elytra* gradually narrowed posteriorly, apex rounded, their sides finely crenulate, or serrate, like the thorax, and, near the shoulders, somewhat flattened or hollowed, they are not wider than the thorax, but are much longer; their dorsal sculpture consists of double rows of deep, coarse, rather closely-placed punctures, and on each elytron three costæ; the costa nearest the suture extends from base to apex, the second terminates before reaching the hind slope, and is not distinct at the base, the third is obsolete near the base, and seems to end near the middle, but there is in line with it a ridge which extends backwards and unites at the extremity with the sutural one, the suture also is somewhat costiform near the summit of the posterior slope; the lateral sculpture is finer.

The insect was originally covered with greyish sappy matter, but when denuded presents the appearance described above.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$  line.

Moeraki. Mr. Sandager sent me his unique specimen.

### Enarsus.

1938. **E. probus**, *n.s.* *Oblong*, squamosity dense, principally dark-brown, with yellow setæ on the elevated parts; antennæ red, paler towards extremity; tibiæ obscure fusco-rufous.

*Head* depressed between antennæ; covered with small round elevations, flat above, with a puncture in each, from these the setæ proceed, causing the asperate surface; this is the ordinary sculpture of the whole body. *Eyes* only moderately convex. *Antennæ* bearing fine slender pallid hairs, club with much shorter ones; second joint longer than exposed portion of first, both stout, cylindric; third elongate; 4-8 decrease in length, each, however, even the eighth, longer than broad; club large, its joints increasing in bulk, not closely articulated. *Thorax* strongly transverse, rounded laterally; each side with two large depressions having a transverse raised space interposed; disc elevated, with two longitudinal elevations in front, and two, more rotundate ones, behind the middle; median groove ending behind in an expansion, on each side of this there is a transverse curved groove; sides thick, front angles projecting beyond the eyes, the posterior rounded, fitting into a wide but not deep sinuosity inside each shoulder. *Elytra* convex, sides with transversal cavities; on each side of scutellum there is an elongate elevation, and in line with it, on top of apical declivity, a large nodosity, between these more or less irregularly raised; outside that line are placed two rows of four or five smaller nodosities, the last of each row situated near top of hind slope; there are numerous large punctures in series, not very regular, however; apical portion not vertical, quite rounded, with, on the broad margin, but not near the suture, two nodosities, separating three cavities. *Legs* variegate,

tibiæ straight, coarsely ciliated. *Underside* rufo-fuscous, densely sculptured like the head, appearing squamose.

The margins of elytra not distinctly crenulate as it were with nodiform swellings, their suture not raised, discoidal punctures not larger than in small examples of *E. bakewelli*.

Length, 4-4½; breadth, 2¼ lines.

Taieri. Mr. S. W. Fulton.

1939. ***E. cucullatus***, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 387.) *Oblongus*, inæqualis, indumento fusco obtectus, prothorace anterius in medio in lobum, longiorem producto, basi utrinque excisione lata sat profunda.

Long., 10-12mm.

This is the largest of the New Zealand *Colydiidæ*, and, though similar to *E. bakewelli* and *E. wakefieldi*, is readily distinguishable by the peculiar thoracic lobe over the head, this being remarkably elongate, not deflexed, and with its sides much raised. These raised sides, moreover, curve round at the front of the lobe, and nearly meet one another, being separated only by a slight fissure. The inequalities of the surface are greater than in the other species, and the disc of the elytra flatter, the tubercles behind more prominent, so that the apical portion is more abruptly declivous; the joints of the antennæ, too, are longer than in any of the other species.

Greymouth. Helms.

OBS.—This species occurs also at Boatman's, where Mr. Cavell found three examples.—T. B.

## Glenentela.

*Nov. gen.*

*Body* ovate-oblong, convex, asperate, sparsely setose.

*Head* deeply immersed, elevated over antennal insertion. *Trophi* very minute. *Eyes* scarcely perceptible, concealed by the thoracic angles. *Antennæ* short, basal joint much stouter but scarcely any longer than second; third about as long as the preceding one, but much more slender; 4-7 small, transverse, bead-like; eighth and ninth strongly transverse, the latter the larger of the two; tenth abruptly larger than ninth, broader than long; eleventh extremely short, scarcely distinguishable; the club therefore somewhat *Pycnomerus*-like. *Antennal insertion* close to the minute eyes and prolonged as a broad groove underneath the head, the prosternum very deeply and widely hollowed for half its length for the reception of the antennæ in repose. *Coxæ* small, all widely separated; the anterior placed close to the hind margin of the prosternum, the intervening process broadly grooved along the middle, the extremity almost bilobed. *Prosternum* deeply emarginate, truncate in front, so that the anterior angles project as far as the forehead. *Metasternum* short, raised in the middle, but with a depression there. *Abdomen* moderately large, the two basal segments nearly equal, the

first depressed between the coxæ; third not much shorter than its predecessor, its frontal suture deep, the back part much depressed, so that the extremely short, almost linear fourth segment seems raised; fifth subconical, depressed near each side. *Thorax* rather broader than long, base strongly sinuated near each side. *Elytra* but little longer than broad, narrowed behind. *Legs* moderate, tibiæ quite unarmed; tarsi 4-articulate, setose, the two basal joints more prominent below than the third. *Epipleuræ* broad at the base, linear behind.

This is undoubtedly an ally of *Epistranus*. The palpi are minute, and I have no specimens available for dissection, so that their structure, and that of the eyes, could not be determined with certainty.

1940. **G. serrata**, *n.s.* *Infusate-red*, not dark, antennæ and legs red, tarsi paler; covered with scale-like sappy matter, the setæ rather fine, pallid, not very conspicuous.

*Head* with small rounded tubercles or granules, the vertex and sides elevated. *Thorax* very similarly sculptured; its middle portion from base to apex on a higher plane than the sides, which therefore appear explanate, the marginal channels broad, deep, and nearly smooth; lateral margins serrate, somewhat reflexed; anterior angles very prominent and incurved, the posterior rectangular; the sides nearly straight behind; the disc is bicarinate longitudinally, the costæ, however, appear as if formed by granules in some places, and the depressed interval bears, behind the middle, two rows of smaller granules, there is a broad depression at each side of the disc. *Scutellum* small. *Elytra* with prominent shoulders, apex vertical, sinuous at base, not closely fitted to the thorax, sides serrate, more explanate before the middle than behind; disc convex, with double rows of punctures, sometimes with transversely-raised intervals, the sutural series (double) bordered externally by a granular costa on each elytron, the second double series of punctures with less evident costæ on the outside, the rest of the sculpture granular.

*Underside* (except the red, and slightly shining, apical ventral segment) opaque, blackish; head with broad, slightly-raised, coarsely-sculptured lateral spaces.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Howick. Amongst decaying leaves on the ground.

## Norix.

*Nov. gen.*

Allied to *Enarsus*, and with the facies of that genus.

*Antennæ* 11-articulate, club abruptly biarticulate; their mode of insertion, the mentum and trophi, apparently the same as in *Enarsus*. The flanks of the *prosternum* broadly concave. *Coxæ* rather more widely separated. *Process* of the *prosternum* with a broad, smooth, median channel, and at each side of the extremity with a rounded elevation partially covering the coxa. Intermediate *coxæ*



with large circular raised borders round their cavities, and with a still larger semicircular carina behind each of these. *Metasternum* broadly raised in the middle but sloping downwards in front, so that there is an obvious cavity between the middle coxæ; there is also another cavity in front of these latter. The *epipleuræ* are more narrowed posteriorly. *Abdomen* with broader and deeper sutures between the segments, the terminal segment longer than in *Enarsus*. *Tarsi* with a shorter basal joint, the three first joints being nearly equal to one another, and, conjointly, one-half the entire length of the tarsus. The *thorax* has the transversely convex central portion narrower than the head, the sides are widely explanate and hollowed, with thick lateral margins, which near the front are more elevated or reflexed than they are behind. There is no *scutellum* visible. *Elytra* with the sides scarcely at all widened except for a short distance near the shoulders; the discoidal portion, therefore, is much broader than in *Enarsus*.

1941. **N. crassus**, *n.s.* *Oblong*, convex, sparsely clothed with fine yellow setæ; obscure-rufous, the colour and sculpture usually concealed by a coating of yellowish, scale-like, sappy matter; legs somewhat piceous, tarsi and antennæ red.

*Head* immersed up to the small, coarsely-facetted eyes, with flattened granules, the lateral prominences conspicuous. *Antennæ* rather short; basal joint stout, cylindric, but little exposed above; second also stout; third rather longer than the following ones, but not at all elongate; joints 4-9 short, the ninth a little broader than the eighth, but not more than one-third of the width of the large transverse tenth joint; eleventh rather smaller than the preceding one; club densely pubescent. *Thorax* broader than long, widest before the middle, and rounded there, nearly straight behind; anterior angles projecting, nearly hiding the eyes, the posterior rectangular; there is a deep emargination near each side of the base, and another behind each eye; the raised central portion with an irregular ridge at either side, and irregular median depressions; the sides broadly and uninterruptedly hollowed, with fewer granules than other parts of the surface. *Elytra* hardly any broader, but longer, than the thorax, curvedly narrowed behind, uneven; they bear rather large, closely-placed punctures, these are arranged in almost regular series, but do not form striæ; on each elytron there is an elongate ridge near the base, on the third interstice, and two other shorter elevations behind, nearer the side another ridge extends from the top of the posterior declivity to within a short distance of the base, and there are two small nodosities on the vertical apical portion.

*Underside* medially rufescent, laterally piceous, uneven, more or less granulate and setose; the inequalities too numerous to be described in detail.

*Tibiæ* broader, and more curvate externally, than in *Enarsus*.

Description of small species of *Colydiidæ*, I find by experience, cannot be disposed of in a few words. Very brief diagnostic characters will be of little value.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

My specimen, minus a leg, came from Mr. Sandager, who, I believe, found it on Mokohinou Island.

### Syncalus.

1942. *S. piciceps*, n.s. *Ovate-oblong*, convex, opaque; clothed with fine brassy depressed, and with erect fuscous, setæ; head blackish, body rufo-fuscous, thoracic margins rufescent, legs obscure fusco-rufous, tarsi, antennæ, and palpi red.

*Head* without depressions, covered with rounded granular elevations having a minute puncture in each, the granules much closer and rather smaller in front. *Antennæ* with the second joint about as long as the uncovered portion of the piceous basal joint, third nearly twice as long as the fourth, eighth not half the breadth of the ninth, tenth slightly broader but shorter than the preceding one. *Thorax* transverse, convex, sides explanate, slightly curved and narrowed towards the front; its granules rather flat, round or oval, not evenly distributed, so that there are smooth spots, notably near the base, which is depressed at the middle. *Elytra* oblong, rounded behind, with series of punctures, the two sutural rows much finer than the others, there are no distinct elevations or crests. *Tibiæ* with coarse outstanding setæ similar to those along the sides of the body. *Prosternum* depressed between the front coxæ.

Length,  $2\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Wellington. One example, found by Mr. Sandager.

### Chorasus.

*Nov. gen.*

(*Sharp; Trans. Ent. Soc.*, 1882, Part i., p. 79.)

*Corpus* subangustatum, haud convexum, nudum. *Antennæ* breviusculæ, 10-articulatæ, articulo primo condito, clava abrupte biarticulata. *Caput* exsertum, oculi canalicula suboculari maxima. *Prothorax* subtus ad angulos anteriores maxime impresso. *Prosternum* magnum; coxæ minutæ, globosæ, sat distantes. *Metasternum* parum elongatum; coxæ intermediæ sat distantes, posticæ paulo magis distantes. *Abdomen* ex segmentis quinque subæqualibus compositum, suturis profundis. *Pedes* sat graciles, mutici; *tarsi* 4-articulati, haud elongati, articulo basali quam 2° paulo longiore, 2° et 3° brevibus, 4° quam ceteris paulo longiore.

The affinities of this little insect with the anomalous European *Langelandia* are undoubted; the antennæ and head (including, so far as I can see, the parts of the mouth) are extremely similar in the two genera, except that the eyes are totally wanting in *Langelandia*, and are present, though extremely reduced in size, in *Chorasus*. The structure of the undersurface is similar, except that in *Chorasus* the epipleuræ are broad and nearly horizontal, and the ventral segments are comparatively shorter. The tarsi are undoubtedly four-jointed. The claim of *Langelandia* to be admitted into the *Colydiidæ* is absolutely confirmed by this most interesting insect.

1943. **C. subcæcus**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 80.) *Piceus*, pedibus piceo-rufis, antennis rufis, opacus, quasi squamatis-granuloso, elytris longitudinaliter costatis; prothorace magno, margine anteriore utrinque profunde sinuato, in medio setuloso.

Long., 2½mm.

*Head* with a comparatively shining space on the middle, impressed on either side of this. *Thorax* large, about as long as broad; owing to the deep sinuation on either side of the front margin, the middle has the appearance of being produced, and this prominent part bears closely-set, curled-upwards, pale setæ; behind this is an indistinct longitudinal impression, and the surface shows a very peculiar sculpture, something like scales, or as if there had been tubercles shaved off. The *elytra* are scarcely twice as long as the thorax, and are somewhat narrowed behind, and a little truncate at the extremity; they bear a sculpture somewhat similar to that of the thorax, except that they are smaller, are less definite, and are suboblong instead of round; from the base there starts a rather sharply elevated longitudinal elevation, which extends two-thirds of the length, and external to this are one or more very much shorter and more indistinct elevations.

This creature is, notwithstanding its small size, one of the most interesting of Mr. Helms's discoveries at Greymouth.

## Group—PYCNOMERIDÆ.

### *Pycnomerus*.

1944. **P. marginalis**, *n.s.* *Elongate*, shining, intense black, legs and antennæ rufo-piceous, tarsi dark-red.

*Head* quadrate, ocular folds and front margin on nearly the same plane; foveæ deep in front, prolonged backwards, so that the middle appears convex; these raised parts moderately punctured. *Antennæ* with the eleventh joint indistinct, looking as if sunk into the large tenth joint, the suture indicated by yellow pubescence; second joint very transverse, third longer but narrower. *Eyes* minute, concealed by thoracic angles. *Thorax* oblong, apex slightly oblique but hardly at all sinuate towards the sides, so that the angles are rectangular but not projecting; lateral margins rather narrow, a little thicker a short distance from the front, forming an indistinct angle and marking where each side begins to contract anteriorly, behind this angle the side is nearly straight; two deep impressions on the disc are separated by a moderate smooth space, and a transverse depression exists close to each hind angle; the surface coarsely and distantly punctured. *Scutellum* invisible. *Elytra* broadly curvate laterally, widest near the middle, the humeral angles projecting beyond base of thorax, rendering its posterior angles indistinct; striæ somewhat flexuous, deep, less than twelve elongate impressions in each stria, sometimes only six or seven, the three sutural grooves very deep behind; interstices rather broad, often a little transversely uneven, the third and fifth, and the suture, reach the narrow basal margin, the second and third most elevated behind.



I do not know any species like this. *P. sulcatissimus* is represented (Plate 12, fig. 22, *Trans. Roy. Dub. Soc.*, 1886) with a scutellum. *P. latitans* may be nearly allied, but the description indicates a distinct scutellum. The sides of the thorax in *P. marginalis* slope rather suddenly towards the narrow rims, so that there are no well-marked marginal channels. The body, when examined sideways, appears depressed towards the middle. The elytral suture broad and smooth, not depressed at the base, the scutellar space is extremely narrow.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{1}{2}$  line.

Boatman's. One example, from Mr. Cavell.

1945. **P. sinuatus**, *n.s.* Black, shining, legs and antennæ dark-red.

*Head* similar to that of *P. marginalis*. *Antennæ* also similar. *Eyes* minute. *Thorax* oblong, sides nearly straight, being only a little oblique near the front; apex with a short sinuosity near each angle; basal angles rectangular; lateral margins narrow; base sinuous; discoidal depressions elongate, the interval narrow, basal region transversely depressed; its punctuation distinct and moderately close. *Scutellum* very short, just like a portion of the broad elytral basal margin. *Elytra* almost elongate-oval, the middle widest; punctate-striate, shoulders projecting forwards, middle of base incurved; suture broad and smooth, slightly depressed very close to the scutellum, the second and fourth interstices do not reach the basal margin, the third appearing convex near its junction with the base, which is somewhat thicker near the middle than at the sides.

*P. lateralis*, *P. pubescens*, and *P. cognatus* are more or less allied, but are, nevertheless, quite distinct. The nearest species is *P. marginalis*, from which this differs in the narrower, differently-sculptured thorax, different elytral base and sculpture, the striae being broad and deep instead of seeming to be formed of elongate interrupted impressions.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$  line.

Midhirst, near Mount Egmont.

1946. **P. impressus**, *n.s.* Narrow, elongate, a little shining; elytra pale-reddish-chestnut, distinctly yellower than other parts of the body, legs and antennæ included, which are quite red.

Closely allied to *P. minor*: a careful comparison will show, however, that this species differs in several details.

*Head* longer, ocular folds more developed, frontal depressions larger and deeper, with a slight depression extending from the hind margin of one eye to the other; eyes more distant from thorax, equally large and prominent. *Thorax* medially incurved in front in place of being truncate, anterior angles less obtuse. The general outline longer and proportionally narrower. *Elytra* more elongate, their punctures more evidently separated. *Antennæ* with a more developed terminal joint.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Hermitage, Mount Cook. Mr. H. Suter.

1947. **P. longulus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 389.) *Elongatus*, angustulus, nitidus, piceus, antennis pedibusque rufis; interdum rufescens; antennarum clava evidenter divisa; *prothorace* angustula, angulis anterioribus nullo modo prominulis, disco vage impresso; *elytris* striatis, striis fortiter punctatis, interstitiis planis.

Long.,  $3\frac{1}{2}$ mm.

*Antennæ* moderately stout; *thorax* narrowed behind, slightly longer than broad, closely and coarsely punctate, the disc vaguely depressed, the depression duplicate behind, single in front. *Shoulders* of *elytra* free, not at all prominent.

This is closely allied to *P. minor*, though very distinct by reason of the evidently-divided club of the antenna. It is also more elongate, and the thoracic impression is a little less obsolete. I do not think the rufescent form is distinct from the dark one.

Greymouth, Kumara, and Picton. Helms.

1948. **P. helmsi**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 389.) *Parum* elongatus, nitidus, piceus; *capite* elongato, oculis minoribus; *prothorace* oblongo, disco impressione magna et profunda anguste divisa; *elytris* sulcatis, sulcis leviter flexuosis, haud punctatis, post scutellum transversim depressis.

Long.,  $3\frac{1}{2}$ mm.

*Antennæ* stout, with club large and only very indistinctly divided, the terminal or pubescent portion small; head densely punctate: *thorax* scarcely perceptibly narrowed behind the sides, a little contracted near the front angles, which are not prominent, the surface shining but rather closely and coarsely punctate, the disc occupied by a large and deep oblong depression, which is only divided by a slight carina along the middle: *elytra* with very deep striæ, which are not sculptured, though their edges are a little flexuose, the base is emarginate but the humeral angles are not acute, and immediately behind the scutellum the surface is depressed: *metasternum* rather short.

This interesting species is an intermediate form between the normal and ordinary New Zealand *Pycnomeri*, as represented by *P. sophoræ*, and the blind forms of which *P. sulcatissimus* may be taken as the type. The only examples I have seen are the three sent by Mr. Helms, after whom I have consequently named it.

Greymouth.

1949. **P. sulcatissimus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 389.) *Nigerrimus*, nitidus, oculis minutis, antennis pedibusque rufis; *prothorace* oblongo, fortius punctato, disco profunde impresso, impressione anguste divisa; *elytris* profunde sulcatis, sulcis leviter flexuosis.

Long.,  $3\frac{1}{2}$ mm.

This is distinguished amongst the allies by the very deep oblong impression on the middle of the thorax, which is divided only by a narrow carina, extending all along the depression, but less distinct in its anterior part. The *eyes* are very minute, but still are very

easily detected. The eleventh joint of the *antenna* appears merely as a pubescent apex to the tenth. The *thorax* has the anterior part of the sides slightly narrowed, the front angles slightly prominent, and the hind angles also distinct. The striation of the *elytra* is very strong, even the sutural stria being broad and deep, and the striae not irregular. The *metasternum* is very short.

I am not sure but that there may still be two species mixed under this name; some of the individuals are only  $2\frac{1}{4}$  mm. long, and are piceous in colour, the thoracic depression less, and more distinctly separated into two by a broader space; I have not, however, seen enough examples of the two forms to enable me to come to a decision, and prefer treating these smaller specimens merely as a variety.

Grey mouth. I have retained for this species the trivial name under which it has been distributed by Herr Reitter.

1950. **P. latitans**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 390.) *Nigerrimus*, nitidus, oculis minutissimis, antennis pedibusque rufis; *prothorace* oblongo, fortius punctato, disco leviter bi-impresso; *elytris* profunde sulcatis, sulcis flexuosis.

Long.,  $3\frac{1}{4}$  mm.

This is very similar to *P. sulcatissimus*, but is distinguished by some good characters; the lateral margin of the *thorax* just \*before the front border becomes thinner, and thus the thorax has an appearance of being suddenly though slightly narrowed in front, and there is no prominence of the front angle; the disc has only two slight impressions, separated by a rather broad space; there is no transverse depression on the wing-cases behind the scutellum, whereas in *P. sulcatissimus* the second stria on each elytron is connected by a transverse depression extending behind the scutellum, so that its hind margin is raised; and in *P. latitans* the sculpture of the grooves or striae is not so effaced as it is in *P. sulcatissimus*, and the eyes are even more minute.

Grey mouth. Helms.

Obs.—\*The word *behind* should have been written by Dr. Sharp instead of *before*.—T. B.

### Bothrideres.

1951. **B. cognatus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 390.) *Niger*, antennis elytris pedibusque ferrugineis; *prothorace* subquadrato, fortiter punctato, dorso foveolato, angulis posterioribus argute rectis; *elytris* apicem versus subcostatis.

Long.,  $4\frac{1}{4}$  mm.

Very closely allied to *B. mæstus*, though readily distinguished by the colour of the legs and elytra; the sculpture is almost identical in the two species, except that it is a little more obsolete on the elytra in *B. cognatus*; the latter is, however, of rather less elongate form, and the thorax is a little shorter, with the hind angles more prominent, and there is no trace of any tubercle on the middle of the prosternum behind.

Bealey. Helms; one example.



## Group—CUCUJIDÆ.

## Picrotus.

## Nov. gen.

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 394.)

*Corpus* minutum, glabrum, nitidum, *capite* angusto, exserto, nullo modo deflexo; *antennæ* undecimarticulatæ, clava abrupta biarticulata; *prothorax* grandis, ad elytra arcissime applicatus, margine laterali latissimo, angulis posterioribus productis, supra humeros receptis. *Coxæ* anteriores et intermediae minutæ, globosæ, late distantes; acetabula anteriora aperta; prosternum processu magno posterius producto; *coxæ* posteriores sat magnæ, transversæ, distantes; *abdomen* e segmentis quinque ventralibus compositum quorum primo ultimoque ceteris longioribus. *Tarsi* omnes quinque articulati, articulis quatuor basalibus parvis, subæqualibus, simplicibus, ultimo elongato.

This genus is established for a minute and very anomalous beetle; the characters permit its location at present among the *Cucujidæ*, though it has an appearance entirely foreign to that family, suggesting an affinity with *Thorictidæ*, to which, however, it has apparently but little affinity. The front, the middle, and the hind body are so closely united together that it is not easy to disarticulate them; and the union between the prothorax and the after-body is so perfect that I could only sever them by taking off the abdomen, and then thrusting them apart by a needle placed in the interior; on the other hand, the head is exserted and possesses much mobility. The small *eyes* are very convex and contiguous with the front of the thorax; the *antennæ* are inserted a considerable distance in front of the eyes in large cavities, quite exposed in front and only moderately separated. The *antennæ* themselves are stout, the first joint is globular, rather larger than the second; this is of similar form; joints 3–9 are all short, and the tenth is abruptly broader, strongly transverse, rather larger than the terminal joint; the *labrum* is exposed, horny, almost transverse-oblong. The *mandibles* are corneous, thick at base, strongly curved, acuminate, simple. The *palpi* are all short and very broad, the maxillary four-jointed, basal joint small and slender, second closely connected with it by an oblique suture, so that the two look like one elbowed joint, it is about as long as broad; third joint strongly transverse; fourth longer and narrower towards the apex, which however is truncate. *Maxillary lobes* both distinct, the inner slender, the outer robust, both of them pubescent. *Ligula* exposed, broad, corneous, simple; labial palpi shaped like the maxillary, except that they are only three-jointed; the *genæ* form a short obtuse angular prominence on each side at the base of the maxilla. The *prosternum* in front of the *coxæ* is rather large, and arches over the small *coxæ* to project backwards as a broad grooved process attaining the metasternum; there is no projection of the sidepiece behind the *coxæ*, the cavity consequently being quite open behind. The *mesosternum* is rather

large, is occupied in the middle by a deep groove, with raised edges for the support of the prosternal process, and on either side of this with a curved ridge to complete the enclosure of the front coxæ. The *metasternum* is rather short, and its sidepieces are scarcely visible; the hind coxæ are about as widely separated as those of the front and middle legs, they are transversely conical; the *legs* are small, the tibiæ feeble, unarmed, without apical spurs. The *tarsi* are terminated by two rather large simple claws; there is very little difference between the front and hind feet. The ventral sutures are all deep, and the basal segment along the middle is nearly as long as the three following together, these being quite short.

This insect has been recently examined by some skilful entomologists, who concluded they could only find four joints to the tarsi. I may therefore state that the description given by me of the trophii and feet of *P. thoracicus* was made from a dissection mounted in Canada balsam, and is undoubtedly correct, as a fresh examination of the preparation, so far as regards the feet, has been made by myself and the Rev. H. S. Gorham.—(Notes added during press.)

1952. *P. thoracicus*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 395.) Brevissime alavis, testaceo-ferrugineus, politus, glaber, capite porrecto transversim post antennis subrugoso; prothorace magno, omnium latissime marginato, angulis posterioribus prolongatis.

Long.,  $1\frac{1}{3}$  mm.

The peculiar *thorax*, with its remarkable broad flat margin, will at a glance permit the identification of this species. The *elytra* are convex, very short in proportion to the thorax, very completely covering the undersurface; the *scutellum* is scarcely visible, the base of the thorax being transversely depressed, and a little prolonged, so that only a very minute tip of the scutellum is exposed; there are no wings.

Bealey. Helms; half a dozen examples. Though amongst the most minute of the New Zealand Coleoptera, it is certainly one of the most peculiar.

1953. *P. sanguineus*, *n.s.* Oblong-oval, compact, convex, medially depressed, shining; blood-red, legs rufo-fulvous; sparingly clothed with a few short, slender, upright, pallid hairs.

*Head* exserted, with a few comparatively well-marked distant punctures, plane in front, depressed towards the eyes; these coarsely faceted and prominent. *Antennæ* stout, elongate; basal two joints similar in form, first larger; third quite as long as second, evidently longer than the following ones; ninth broader than eighth; club abruptly biarticulate; tenth joint strongly transverse, broader than rounded terminal one. *Thorax* gently rounded and narrowed towards the front, very finely and remotely punctured; lateral margins broad and flat, narrower in front than behind, with an obvious channel along the inner side of each; base depressed, its angles prolonged backwards and resting on the shoulders. *Scutellum* narrow,

triangular, not short. *Elytra* narrowed posteriorly; feebly and remotely punctate. *Tarsi* with three distinct basal joints, the terminal elongate.

Rather larger than the typical species, darker in colour, not bald, third antennal joint not at all short, sculpture different, obtusely prominent middle basal portion of thorax not covering so much of the scutellum. The antennæ are very much like those of *Pycnomerus*. *Underside* coloured like the upper, more conspicuously clothed, with some rather large punctures on the sternum. I examined the *tarsi*, without dissection, and concluded that the extremity of the tibia conceals the small first joint, four being quite visible from above.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Two examples in my own collection, probably found near Howick.

### Brontopriscus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 391.)

*Antennæ fractæ articulo basali elongato. Elytrorum epipleura lata. Tarsi sat elongati, articulo basale brevissimo (interdum fere omnino nullo).*

When I described *Brontes pleuralis* I stated that it might be made the type of a new genus, and the discovery of a second species with the peculiarities still more exaggerated renders it advisable that this should now be done. The remarkably broad epipleuræ separate the New Zealand genus from the *Brontes*, both of Europe and Australia, and the tarsi are also much different from the former, though similar to those of the Australian species. The tarsal peculiarities are very interesting, as they differ a little in the two species, and show, as it were, the basal joint in the process of disappearing, so as to allow us to understand the occurrence of four-jointed feet in a few of the genera of the family. The basal joint of the foot is very short, while the second is elongate, twice or three times as long as the third, the fourth being very short, and the fifth very elongate; the articulation between the first and second joints is very oblique, especially on the hind feet, so that the second joint lies on the upper surface of the first, and nearly touches the apex of the tibia; this peculiarity is very distinct in *B. pleuralis*, but in *B. sinuatus* it has gone still farther; not only is the basal joint still more reduced in size, but the connection between the two is so extremely close that the suture can scarcely be detected, and the tarsi appear tetramerous with an elongate basal joint.

1954. **B. sinuatus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 392.) *Depressus*, castaneo-testaceus, opacus, *prothorace* ubique crebre punctato, lateribus profunde serratis; *elytris* ovalibus, humeris sinuatis; profunde seriatim punctatis, secundum marginem punctis majoribus impressis.

Long., 8mm.

This is similar to *B. pleuralis*, but has important points of differ-



ence; the head and thorax, instead of being shining and nearly imunctate, are dull, and covered with a coarse, shallow punctuation. The *elytra* are less elongate, and have a peculiar sinuation at the shoulders, so that the humeral angles are rectangular instead of obtuse. The *male* has the base of the front tarsi thicker, of the middle and hind more slender, than the female.

(Habitat ?—T. B.)

### Cathartocryptus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 392.)

*Corpus* subdepressum, parum elongatum. *Antennæ* crassiusculæ clava triarticulata. *Thorax* transversus lateribus muticis. *Coxæ* anteriores et intermediæ fortiter distantes.

This insect resembles *Cathartus*, and is allied thereto, but has the front and middle *coxæ* widely separated, the *genæ* without tooth, and the sides of the *thorax* without sinuation. The three joints of the *antennæ* forming the club are all broad; the *tarsi* are five-jointed, all the joints simple, the three basal on the hind foot all rather small, about equal to one another, fourth rather smaller, fifth as long as the four preceding together. The wide separation of the front *coxæ* is remarkable, the hind ones being about as approximate as they are in *Cathartus*.

1955. **C. obscurus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 393.) *Oblongus*, subdepressus, sordide ferrugineus, elytris pedibusque testaceis, prothorace elytrisque plus minusve argute nigro quadrimaculatis; *thorace* crebre sat subtiliter punctato, *elytris* subtiliter seriatim punctatis, seriebus apicem versus deletis, interstitiis subtilissime punctulatis.

Long.,  $2\frac{1}{8}$ mm.

*Antennæ* short and stout, club large, about as long as the six joints preceding it. *Head* short, very finely punctulate, nearly dull. *Thorax* strongly transverse, about twice as broad as long, the surface rather closely and finely punctate, with a more or less distinct black spot on the middle, the sides distinctly narrowed behind, hind angles very minutely prominent. *Scutellum* transverse. *Elytra* with series of fine punctures, which disappear before the apex, with two black spots just before the middle, and a common spot in front of the apex.

Picton. Helms; three examples. *Cathartus advena* and *Silvanus bidentatus* are representatives of other genera near this, and have been found in New Zealand.

### Saphophagus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 393.)

*Corpus* minutum, depressum, nudum. *Antennæ* crassiusculæ undecim articulatae, articulis tribus ultimis paulo majoribus. *Pro-*

*sternum* magnum; *coxæ* anteriores globosæ, acetabulis clausis, parum distantes, processu post his sat elongato. *Coxæ* intermediæ minutæ; *metasternum* longissimum. *Coxæ* posteriores parum distantes. *Abdomen* e segmentis ventralibus quinque parum elongatis compositum. *Tarsi* quinque articulati, articulis quatuor basalibus brevissimis, quinto elongato.

This very minute creature is not at all closely allied to any other form known to me, and from its appearance, as well as from the characters I can observe, pretty certainly belongs to the Clavicorn series; and the only families in this series its facies suggests that it may possibly be a member of are the *Colydiidæ*, *Cucujidæ*, or *Cryptophagidæ*. I think I have seen with certainty that the tarsi are five-jointed, and the former of these three families may therefore be left out of consideration; while the latter two are so feebly differentiated that, as this genus has no special ally in either, it is a matter of little importance in which it is placed provisionally. As the coxal cavities are nearly always open behind in *Cryptophagidæ*, whereas in the genus I am at present considering they appear to me closed, I decide on placing it in *Cucujidæ*. Only two examples of the insect having been found, I do not think it desirable at present to break one of them up, and the structure must therefore be left largely undescribed. But the remarkable elongation of the *metasternum*, which is considerably longer than all the ventral segments together, will greatly facilitate the recognition of the form. The *antennæ* are inserted quite close to the rather prominent eyes, and these are well separated from the front of the thorax. This latter is by no means closely articulated with the after-body. The ventral sutures are deep, and the first segment, measured along the middle, is longer than the second, but the length behind the *coxæ* is rather less than that of the second.

1956. **S. minutus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 394.) *Oblongus*, depressus, angustulus, brunneo-castaneus, nitidulus, fortiter punctatus; *prothorace* cordato, dorso obsolete bi-impresso.

Long.,  $1\frac{3}{4}$  mm.

*Antennæ* with the exposed portion of the basal joint short, second joint short, stouter than the following: joints 3-8 small, subequal, 9, 10, and 11 forming a very loose club, the tenth scarcely transverse. *Head* small, rather rounded in front, surface nearly even, rather closely punctate. *Thorax* about as long as broad, truncate in front, with the front angles depressed and rounded, much narrowed behind, not margined at the sides, constricted in front of the base, hind angles rectangular and with a fovea quite at the angle, the surface very shining, rather coarsely punctate, the two impressions on the middle nearly confluent, and varying somewhat in their outline according to the point of sight (as in some *Pycnomeri*). *Scutellum* very minute. *Elytra* with series of coarse punctures, and with a short series interposed at the base between the sutural and the next series, so that there is a slight convergence of

the second and third series towards the suture behind the supplementary series; they are rather elongate and completely cover the hind-body. The legs are short.

Picton. Helms; two examples.

1957. *S. ferrugineus*, n.s. *Subdepressed*, elongate-oblong, narrow, shining; dark-red, palpi and tarsi yellow; with some fine hairs on the hinder portion of the elytra.

*Head* distinctly punctured, not so closely between the eyes as elsewhere. *Antennæ* pubescent, their second joint rather longer than exposed part of the first; third slightly longer than fourth; joints 4-8 nearly equal, each, however, becoming a little shorter and broader; club laxly triarticulate, ninth and tenth joints transverse. *Palpi* with ovate terminal joints. *Thorax* cordiform, length and breadth about equal, front angles depressed and rounded, the posterior rather sharp and rectangular, its sides very little curved but considerably narrowed behind, base finely margined and bisinuate, not touching the elytra; disc obsoletely impressed, distinctly but not closely punctured, with fewer punctures in front and behind. *Scutellum* moderate as to size. *Elytra* with the margins a little explanate towards the apices; their punctures disposed in series, but with a shorter row near the base between the first and second complete series. *Legs* stout, tibiae gradually expanded towards the extremity, spinose there; *tarsi* with comparatively elongate conspicuous vestiture.

*Underside* glossy-red; metasternum moderately distantly punctured, with three more or less obvious longitudinal grooves; *abdomen* with short yellow hairs, most apparent on the last segment. *Epipleuræ* rather broad and flat alongside the abdomen.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{1}{2}$  line.

Mount Cook. I am indebted to Mr. Suter for my specimens.

## Tularthrum.

*Nov. gen.*

*Body* suboblong, depressed. *Antennæ* inserted at the sides in front of the eyes, longer than the body; joints 3-11 filiform; basal joint with a thick stalk, terminating in a transversal incrassation, the anterior portion of which is strongly curved and acute at the inner extremity; second as long as the fourth, dilated apically and twisted, so that its upper face is about twice as broad as the portion underneath, it is articulated to the front of the inner curvate portion of the first; third elongate, slightly shorter than the following one; 5-11 elongate, about equal, each longer than the fourth. Terminal joints of the *palpi* almost aciculate. *Eyes* widely distant above, free, quite lateral, small, subrotundate, distinctly faceted. *Mandibles* extremely broad near the base, concave below, dilated laterally, prominent, acute and bifid at the extremity. *Labrum* small, transverse, ciliate and subtruncate in front. *Head* nearly as large as the thorax, narrowed and prolonged in front of the antennæ, with a straight frontal suture; truncate in front below, and with thick, porrect,



anterior angles. *Thorax* transverse, a little narrowed towards the base, front angles acute and slightly produced, the posterior rectangular. *Scutellum* broad, lunate. *Elytra* oblong, broadly rounded behind, covering all but the extremity of the abdomen. *Legs* moderately long; femora clavate; tibiæ rather slender, slightly thickened apically, terminal process small and slender. *Tarsi* apparently heteromorous, the minute basal joint concealed by the ciliæ at the apex of the tibia, terminal joint longer than all the basal ones taken together. *Coxæ* small, widely separated, the front pair placed rather far back. *Prosternum* with fine sinuous lateral sutures, its process very broadly rounded behind; there seems to be no distinct suture between it and the middle-piece of the mesosternum, which is finely margined in front, this margin is separated from the prosternum by a transverse groove. The *metasternum* moderate, shorter than the abdomen, which has five segments, the basal segment large, broad and truncate between the coxæ, the following three about equal to one another, fifth rounded behind.

The typical species, in general outline and sculpture, bears some resemblance to *Læmophlæus*, the Australian *L. contaminatus* for example, which, however, belongs to a different group of the family. The extraordinary, almost hammer-shaped, basal joint of the antenna will at once lead to its recognition.

1958. **T. lineatum**, *n.s.* *Castaneous*, the labrum, mandibles, palpi, and tarsi more or less fulvescent; sparingly clothed with minute, slender, pallid setæ; the surface densely and finely sculptured and a little shining.

*Head* with numerous fine punctures, a smooth linear impression (longitudinal) behind, the lateral and frontal margins fine but distinct, and with a fine raised line behind each eye. *Antennæ* pubescent, the two basal joints finely sculptured. *Thorax* transverse, base and apex nearly truncate, front angles acute, posterior rectangular; lateral margins fine, distinct, the basal much finer; its sculpture like that of the head; the disc is slightly convex, and near each side there is a fine raised line nearly parallel with the margin. *Scutellum* finely margined in front, with a groove behind. *Elytra* finely margined, very slightly curved at the sides, these nearly vertical; dorsum broadly impressed across the middle, its side limited by a fine raised line, which recurves at the base and there unites with a still finer one extending to the apex; between this inner line and the one next to it there is but a comparatively narrow space, as is the case with the next one, and so on; so that there appear to be a sutural stria and five more or less evident longitudinal lines, enclosing unequal areas, on each elytron; however, only two discoidal lines are well marked, the others can be seen when examined sideways. The *metasternum* is grooved behind.

Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{3}{8}$  line.

Tiritiri Island. Only one specimen has been found. Its discoverer, Mr. Sandager, kindly placed it at my disposal.

## Group—CRYPTOPHAGIDÆ.

## Telmatophilus.

1959. *T. olivascens*, *n.s.* *Olivaceous*, sometimes darker or infusate, legs rufo-testaceous or infusate-red; joints 9–11 of the antennæ black, the others clear-red, pitchy-red, or even darker; clothed with short but conspicuous greyish hairs.

*Head* distinctly but not closely punctured; eyes prominent, distinctly faceted. *Antennæ* as long as head and thorax; basal joint longer and thicker than second; third longer than second or fifth; fifth larger than fourth or sixth; seventh larger than sixth or eighth, both of which are small; joints 9–11 equally broad, forming a definite club. *Prothorax* a good deal narrower than elytra, nearly as long as broad, not much rounded laterally, posterior angles not prominent; its punctation like that of the head; its base is more or less depressed and it has another impression near each side. *Scutellum* transversal. *Elytra* elongate, slightly convex, their sculpture closer and coarser than that of the thorax, not at all arranged in rows, and becoming rather finer apically. *Legs* stout and elongate.

*Underside* shining, punctate, with greyish pubescence; metasternum convex, canaliculate behind.

Much larger than *T. depressus*, the space above the antennal insertion somewhat raised, eyes less convex, three basal joints of the tarsi less developed, but with the true fourth joint distinct though minute, fifth elongate; claws thickened at base.

Length,  $1\frac{3}{4}$ –2 lines; breadth,  $\frac{5}{8}$  line.

Numerous examples were brought from Mount Arthar by Messrs. Cheeseman and Adams.

## Group—LATHRIDIIDÆ.

## Corticaria.

1960. *C. amplipenne*, *n.s.* *Shining*, sparsely clothed with short greyish hairs; nigro-fuscous, middle of thorax more rufescent, legs pale reddish-chestnut, tarsi infusate, apical joint darker than the others; antennæ infusate, the intermediate joints paler, first joint reddish.

*Head* distantly but distinctly punctured; eyes large, distinctly faceted. *Antennæ* elongate, basal joint thick; second also stout, but only half as thick as the first; 3–8 longer than broad; 9–11 forming a loosely-jointed club. *Thorax* strongly rounded laterally, constricted near the base, so that there is a very evident depression behind the middle; the frontal portion is very finely and remotely punctured, obsoletely in fact, the sides and the basal portion are, however, more distinctly sculptured. *Scutellum* rounded behind. *Elytra* ample, twice as broad as the thorax, widest behind the middle, evidently striate-punctate, except near the extremity, which is nearly smooth, the sutural striæ are well marked. *Tarsi* with the terminal joint rather longer than the other two.

The structure of the tarsi is more like that of *Lathridius*, but the facies is that of *Corticaria*, the thorax, for instance, being without distinct lateral margins.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Moeraki. Mr. Sandager; one example.

## Group—MYCETOPHAGIDÆ.

### Triphyllus.

1961. **T. integritus**, *n.s.* *Convex*, oblong-oval, shining, red, legs and antennæ testaceous.

*Head* rather narrow, distinctly but not very closely punctured. *Thorax* transverse, narrowed anteriorly, its sides finely margined and curvate, sculptured like the head. *Scutellum* very short and broad. *Elytra* finely punctured behind, and with moderately well defined series of punctures in front.

The lateral thoracic margins do not seem to be at all crenate; the basal foveæ are deep and obvious, though not very large. The rows of punctures on the basal portion of the wing-cases are not so well marked as in *T. zealandicus*. The scutellum is uncommonly broad.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

A specimen was sent to me from Outram, Otago, by Mr. S. W. Fulton.

OBS.—Dr. Sharp's *Triphylli*—*T. huttoni*, *T. zealandicus*, *T. maculosus*, *T. confertus*, and *T. concolor*—were described ten years ago under the numbers 401, 402, 405, 406, and 407. Dr. Sharp himself sent me a specimen of *T. concolor*, with the label "Cryptophagus, *n.sp.*"

## Group—DERMESTIDÆ.

### Trogoderma.

1962. **T. 4-fasciata**, *n.s.* *Black*, shining; base of thorax and a median transverse space on elytra rufescent; the tibiæ and six basal joints of antennæ reddish, remaining joints nigro-fuscous, tarsi yellowish; pubescence greyish, the coarser and whiter hairs forming four fasciæ on the elytra, one basal, one apical, and two intermediate.

*Head* closely and distinctly punctate, with the usual smooth space near the middle. *Antennæ* short, the two basal joints thick, the next four moderate, joints 8–10 strongly transverse, articulated at the middle, eleventh rounded. *Thorax* finely but not closely punctate, less distinctly than the head. *Elytra* very finely and distantly punctured, obsoletely costate.

Allied to *T. signatum*; thoracic punctuation not indistinct.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Fanal Islet, one of the Mokohinou group. One example, sent by Mr. Sandager.



1963. **T. antennale**, *n.s.* *Subopaque*, nigro-fuscous; base of thorax with three rufescent spots, and some of similar colour, but less distinct, on the elytra; legs reddish-brown, the knees paler, tarsi fulvescent; pubescence greyish and yellowish, unevenly distributed, not forming distinct bands.

*Head* closely, not coarsely, but rather indefinitely sculptured, appearing granulate or punctate. *Antennæ* moderately short, the basal joint stout, pitchy-red; 2-4 pale-castaneous, the third extremely small, only about one-third the bulk of the contiguous ones; joints 6-10 transverse, articulated near the middle; eleventh large, ovate. *Thorax* of the usual form, lateral margins well developed, closely and moderately coarsely punctured. *Elytra* finely and rather closely sculptured, apparently minutely granulate, not at all well defined.

*T. suffusa* is more like this species than any other ally. The abbreviate third antennal joint will enable it to be identified.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Taieri. One individual, from Mr. S. Fulton.

## Group—BYRRHIDÆ.

### Nosodendron.

1964. **N. zealandicum**, *n.s.* (*Sharp*; *Trans. Ent. Soc.*, 1882, Part i., p. 81.) *Ovale*, convexum, nigerrimum, sat nitidum, antennis tarsisque piceis, vix pubescens, dense punctatum, et in elytrorum parte basali punctis seriatis parum conspicuis.

Long., 5-6mm.

*Head* rather elongate, densely punctate. *Thorax* short and broad, very closely applied to the elytra, and continuous in outline with these, very transverse, regularly narrowed from the base to the front. The surface very densely punctate. Punctuation of *elytra* finer and not so dense as that of the thorax, so that the surface is distinctly shining, although, when carefully examined, a very fine minute pubescence is found to exist; and, in addition to this diffuse punctuation, there exists some abbreviated series of fine punctures on the basal portion. *Undersurface* rather regularly and distinctly punctate, the head more densely than the other parts, and with a longer and more conspicuous pubescence. *Antennæ* obscure-red, with darker club; the first joint concealed under the side of the head; second joint short and stout; third very slender and elongate, as long as the three or four following together; eighth excessively short, lenticular; 9-11 forming an elongate club, very densely covered with fine sensitive pubescence.

Species of this genus are widely distributed in both hemispheres. Broun (*Manual*, p. 242) has described a *Nosodendron ovatum*, which is no doubt a very distinct species from that here described, and may even be generically distinct. The New Zealand insect has the tibiæ less remarkably formed than in any of its allies I have seen.

Greymouth. Helms.

## Group—PARNIDÆ.

## Protoparnus.

1965. *P. longulus*, n.s. (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 383.) *Oblongo-ovalis*, fusco-niger, nitidus, longius pilosus, antennis pedibusque rufis; sat crebre et sat fortiter punctatus, elytris obsolete striatis, striis internis omnino deletis, externis ad humeros profunde impressis.

Long.,  $4\frac{1}{4}$  mm.

This is closely allied to *P. vestitus*, but is readily distinguished by the more elongate form, and the elongate pilosity of the surface; the punctuation, too, is coarser and more distant.

Picton. Helms; one example.

Mr. Helms informs me that these insects, as I suspected, are not aquatic in their habits, but occur under logs in damp places. *P. vestitus* apparently is not very rare about Greymouth, as Mr. Helms has recently been so kind as to send me several other examples, which agree exactly with the type.

## Alloparnus.

*Nov. gen.*

*Body* oblong, transversely convex, depressed at the junction of the thorax and elytra.

*Head* retractile. *Eyes* small, convex; very coarsely faceted. *Mentum* angularly excised in front. *Labrum* transverse, truncate at apex. *Mandibles* bifid at extremity. *Palpi* short and stout, penultimate joint obconical, the terminal larger, subovate, obliquely produced at apex. *Antennæ* 11-articulate, basal joint short and nearly triangular; second short and very thick, its breadth double its length; third small, its base slender, united to the hind angle of the preceding one; joints 4–11 form a large, compact, almost oblong, dentate club, each joint being prolonged inwardly as a tooth-like process, the eleventh less produced than its predecessors. *Thorax* transverse, curvedly narrowed at the sides near the front, deeply furrowed near each side above and below. *Scutellum* transverse, rounded laterally. *Elytra* elongate, subovate. *Prosternal process* longitudinally excavated, received into the cavity of the mesosternum, porrected; the latter deeply concave between the middle coxæ; *metasternum* rather short. Front and middle *coxæ* moderately distant, posterior further apart. *Abdomen* with five segments, the basal largest, the apical with a considerable depression at its base. *Legs* short and stout; *femora* dilated, but narrowed towards the extremity, deeply hollowed underneath for the reception of the tibiæ; *tibiæ* arcuated externally, somewhat compressed, distended, and grooved along their outer face for the tarsi; *tarsi* thick, their terminal joint nearly as long as the preceding four taken together.

440. *A. agrestis*, n.s. *Piceous*, reddish near the shoulders, moderately shining, legs and antennæ rufescent; thinly clad with long, rather fine, testaceous hairs.

*Head* distinctly punctured. *Prothorax* broader than long, curvedly narrowed anteriorly, the sides elsewhere but little rounded, base subtruncate; disc convex, moderately coarsely punctate, with a deep longitudinal groove along each side, not parallel to the margin, but nearer the side in front than behind. *Scutellum* smooth. *Elytra* but little wider than thorax, widest behind the middle, not much rounded laterally and a little produced behind; they are striate, the striae are not perceptibly punctured, they are deeply impressed near the base, nearly obsolete on the middle, and the interstices are so punctuated as to cause a somewhat rugulose appearance. The *tibiae* and tarsi bear fine yellowish hairs.

*Underside* punctulate, pitchy-brown, clothed with short yellowish hairs.

Length,  $2\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$  line.

*Tairua*. One, found under a log.

The above descriptions are substituted for *Parnida agrestis* (No. 440), that generic name having been objected to. The antennal description has been altered from the original, as was found necessary.

## Group—LUCANIDÆ.

### Lissotes.

1966. *L. ithaginis*, n.s. *Opaque*, fusco-niger, clothed with minute yellowish setae; ovate-oblong, but little convex.

*Head* much narrower than thorax, widest behind the eyes, nearly plane, its punctuation distinct but irregular. *Eyes* small, distant from thorax. *Mandibles* short and thick, coarsely punctate, bearing an obtuse tooth inside near the extremity, and a more prominent one above near the middle, directed obliquely upwards. *Antennae* 9-articulate, the three terminal joints densely pubescent, the ninth with a punctiform cavity. *Thorax* strongly transverse, obtusely angulated laterally just behind the middle, more narrowed behind than in front, apex finely marginated and widely bisinuated, side margins thick, base subtruncate, posterior angles blunt but not rounded off as in *L. helmsi*; its punctuation rather close but not very coarse except near the sides. *Scutellum* short and broad, curvilinearly triangular, with few punctures. *Elytra* widest at base, much narrowed apically, without distinct costae, their sculpture similar to but rather finer and denser than that of the thorax. Anterior *tibiae* sulcate and punctate above, armed with a large prominent tooth near the extremity, besides two or three smaller ones; the other two pairs grooved and punctated, with an acute tooth beyond the middle, and clothed with fulvous setae.

*Underside* somewhat glossy, finely and distantly punctured, sides of head and prosternum nearly smooth, labium distinctly and closely punctate.

Smaller and flatter than the female of *L. helmsi*, from which it may be distinguished by the upstanding median tooth on each mandible, and the position of the eyes, &c. In the female of *L. helmsi* the head and thorax are more or less regularly curve.



♀. Length,  $9\frac{1}{2}$ ; breadth,  $4\frac{3}{4}$  lines.

Discovered by Mr. P. Sandager on Halodroma Islet, one of the Mokohinou group. *Mesembryanthemum australe* forms, in places, a peat-like layer Sin. to 10in. in thickness, and through this the insect burrows. I have, besides one perfect female, the head and other fragments of a male, the description of which is now added.—

Male. Head transverse, nearly smooth, with two small lateral angulations behind the eyes; mandibles as long as head, curved, tridentate at apex, each with an oblique tooth just before the middle directed inwards but not meeting its fellow. Size of insect, mandibles included, about 13 lines.

2322. *L. æmulus*, n.s. Convex, ovate-oblong, subopaque, black, legs rufo-piceous, antennæ pitchy-red; sides of thorax and elytra densely fringed with short fulvous setæ, the base of the former with long, similarly-coloured hairs, base of elytra somewhat pilose, the surface otherwise almost nude.

Head short, widely incurved in front, punctuation moderately fine, somewhat coarser and not so close between the eyes; labrum small, strongly rounded at apex, with a few punctures in front, shining; eyes situated close to thorax. Antennæ normal, club with yellow pubescence. Thorax strongly transverse, the sides very regularly curved from the anterior angles to the base, so that the posterior are quite obsolete, the base itself not truly truncate, being feebly rounded; apex widely but not deeply emarginate, the angles, therefore, not prominent; lateral margins reflexed, the channels distinct; it is evenly convex, moderately closely punctured, intervals minutely sculptured. Scutellum broadly rounded and smooth behind. Elytra rather narrower than thorax, margins and lateral channels like those of thorax; each with four or five very feeble indefinite costæ; the punctures on disc of two kinds, very small and moderate, arranged in some places in longitudinal areas but never very regular, the punctures at the sides much coarser. Front tibiæ produced outwardly at extremity, with a large subapical tooth and two smaller ones near the middle; the others with one small projection below the middle. Underside finely sculptured.

When compared with the female of *L. ithaginis* the following differences, besides some others, become apparent: The body more oblong and convex, elytra longer. Labrum not truncate, not coarsely rugose. Mandibles tridentate near extremity, but without erect median tooth. Thorax not in the least angulate laterally behind the middle. Elytra differently sculptured, and destitute of minute setæ in the punctures.

♀. Length,  $9\frac{1}{2}$ ; breadth,  $4\frac{1}{2}$  lines.

Boatman's, near Reefton. One female, found by Mr. A. T. Cavell at a landslip, Fox's Creek, October, 1889.

1967. *L. rufipes*, n.s. (Sharp; Trans. Roy. Dub. Soc., 1886, p. 398.) *Piceo-niger*, femoribus rufis, supra hic inde dense fortiterque punctato, punctis squamigeris, areis inter puncta politis.

Long., 13mm.

This is quite similar to *L. reticulatus*, but is of rather narrower form, and is distinguished by the more definite contrast between the punctate and smooth portions of the upper surface. The *thorax* is quite smooth between the punctate spaces; these, in addition to those at the side and front, consist of four discoidal, nearly circular depressions, the anterior one on each side being separated from that behind it by only a small space; the punctuation along the anterior margin extends nearly all across; the disposition of the punctured and smooth areas on the wing-cases is the same as in *L. reticulatus*, but the latter are proportionally larger. The sides of the thorax are rather strongly bisinuate; the prosternal process is more dilated and prominent behind the front coxæ than it is in *L. reticulatus*.

Picton. Helms; two examples.

1968. *L. elegans*, *n.s.* Glossy, violaceo-niger, legs dark-red, antennæ and tarsi black; scales elongate, depressed, pale-yellow; the depressed and distinctly-punctured spaces covered with such scales.

*Head* with a large angular space near each eye, and the large curvate frontal depression distinctly punctate, the rest of the surface more or less finely punctured. *Thorax* along the sides, base, and front, excepting the smooth raised space on the middle of the front margin, moderately coarsely punctured, as are also four discoidal spaces, the two frontal nearly round, the others longer; there are also numerous fine punctures scattered here and there, especially near the anterior angles, but most of the impunctate parts are smooth; each side is a little angulated behind the middle, nearly straight from thence to the front, whilst behind it is obliquely narrowed but hardly sinuated; posterior angles slightly prominent. *Elytra* with the following parts distinctly punctured: along the suture and margins, a large angular space extending from the base to the middle, between the hind portion of that and the suture an almost oval spot, a similar one near the hind thighs, a smaller one further back and nearer the suture, and one near the middle of the apex touching the marginal squamosity; the smooth intervals between these, and those on the thorax, greater than in *L. reticulatus*. *Legs* with fine yellow setæ, anterior tibiæ with external protuberances in addition to the larger terminal one.

*Abdomen* almost smooth along the middle, the apical segment evidently punctate and squamose. Prosternal process not depressed behind, not perceptibly more dilated behind the coxæ than in *L. reticulatus*; the process between middle coxæ broadly concave and with raised borders; metasternum deeply notched in the middle, in front of coxæ, without a fovea.

Length,  $6\frac{1}{2}$ ; breadth,  $2\frac{5}{8}$  lines.

Mount Arthur. Mr. G. V. Hudson forwarded three specimens, all of narrower form and with less transverse thorax than my specimens of *L. reticulatus* from Wellington and Canterbury. These three I had set aside as varietal forms only, though more distinctly differentiated from *L. reticulatus* than *L. rufipes* seems to be.

**Ceratognathus.**

1969. **C. dispar**, *n.s.* (*Sharp*; *Trans. Ent. Soc.*, 1882, Part i., p. 82.) *Parvus*, subdepressus, opacus, niger, supra fortiter parum profunde punctatus, squamulis sordidis parce vestitus, antennarum basi rufo-obsuro.

Long.,  $6\frac{1}{2}$ –8mm.

Mas. *Mandibulis* parum elongatis, spatio aperto magno includentibus, versus apicem triacuminatis; antennarum clava sat elongata.

Fem. *Capite* angustissime exserto; antennarum clava perbrevis.

This is a curious species, and the sexes are very unlike, even as regards colour, sculpture, and clothing.

In the *male* the head is about half the width of the thorax, its anterior angles very prominent, the mandibles not quite so long as the head, and curved so as only to come into contact with one another at the tips, and so appearing from above to enclose a comparatively large vacant space; the upper surface of the head bears coarse round punctures, and some erect hairs or scales; these are most conspicuous behind the eyes. The maxillary palpi are elongate. The thorax possesses numerous distinct punctures nearly evenly distributed on its surface, except that they are wanting on a line along the middle; and it has also some pale depressed clay-coloured scales. The elytra are sculptured like the thorax with distinct distant punctures, and bear a few clay-coloured scales, distributed in an irregular manner, and also some dark scales, easily overlooked in consequence of their similarity to the ground-colour. The club of the antenna is in this sex nearly as long as the rest of the antenna. The *female* has the head very narrow, narrower in front than at the neck, the eyes very small, the mandibles short but correct, the maxillary palpi yellow, shorter and thicker than in the male. The surface of the head is coarsely and closely punctate, and bears rather numerous ashy-coloured setæ or scales. The thorax is also rather coarsely and closely punctate, and bears numerous elongate, narrow, ashy-coloured scales; the sculpture and clothing of the elytra are similar to those of the thorax. In this set (to judge from a single individual) the colour of the legs and antennæ is paler than in the male.

This curious little Lucanid cannot properly be placed in *Mitophyllus*, of which it has the legs, or in *Ceratognathus*, with which it agrees in some other points; but, as there are, no doubt, other species to be discovered in New Zealand, and as the limits of the genera of *Æsalides* are difficult to determine, it had better remain at present in *Ceratognathus*. *Ceratognathus albo-guttatus*, Bates, still, I believe, unique in collections, is probably an allied species.

**Mitophyllus.**

1970. **M. tuberculatus**, *n.s.* *Oblong*, opaque, smoky-black, legs rufo-piceous; covered with black, grey, and greyish-yellow depressed scales, those on elytra minute, about one-half the size of those on the sides of the thorax.



*Head* narrow and elongate, closely punctured; mandibles small, bidentate at apex; eyes moderate, distant from thorax. *Antennæ* shining, black, basal joint about as long as the following six taken together, much bent; second short and broad; joints 3-7 compact, obliquely articulated; club three-jointed, each leaflet equalling the rest of the antennæ in length, quite filiform, third straight, the others flexuous, all bearing extremely long, slender, black hairs. *Thorax* strongly transverse, anterior angles subacute and prominent, widest behind the middle, obliquely narrowed towards the front, slightly sinuously narrowed behind; base strongly bisinuate, its angles acutely rectangular; disc convex, sides depressed, lateral margins crenulate, with two conspicuous median tubercles; its punctures very large, very close together so that the interstices are quite linear, they are filled for the most part with flat black scales. *Scutellum* large, squamose. *Elytra* oblong, apices individually broadly rounded; the suture much elevated from the scutellum backwards to hind slope, shoulders also raised; the sculpture less easily seen than that of the thorax. *Tibiæ* pilose, anterior denticulate externally with one median tooth, in addition to the apical one.

There is but one species like this—*M. gibbosus*—the two, nevertheless, distinct. The scales on that insect are large, and overlap one another; in *M. tuberculatus* the paler scales are minute, so that the general dark ground-colour is not relieved when viewed with the eyes only. Antennæ similar to those of *M. macrocerus*.

♂. Length, 3; breadth,  $1\frac{1}{2}$  lines.

Clevedon. One mutilated male, from Mr. G. Munro.

*Mitophyllus*, formerly considered a synonyme of *Ceratognathus*, may be distinguished primarily by the presence of two tooth-like projections on the outside of the front tibiæ, one at the middle, the other apical. It comprises the undermentioned species:—

*M. irroratus*, Parry.

*M. foveolatus*, Broun.

*M. marmoratus*, Waterhouse.

*M. macrocerus*, Broun.

*M. fuscus*, "

*M. gibbosus*, "

*M. tuberculatus*, "

*M. parryanus*, Hope. = *M. zealandicus*, Broun.

*Ceratognathus* has four New Zealand species:—

*C. alboguttatus*, Bates.

*C. dispar*, Sharp.

*C. helotoides*, Thomson.

*C. sexpustulatus*, Bates.

## Group—COPRIDÆ.

### Saphobius.

1971. *S. inflatipes*, n.s. *Subquadrata*, convex, opaque, sparingly clothed with short fulvous setæ; nigro-æneous, legs pitchy-red, antennal club infuscate.

*Head* curvedly narrowed anteriorly, moderately bidentate in front; its punctation shallow, not dense. *Thorax* transverse, its

sides nearly straight but narrowed towards the acute anterior angles, apex widely emarginate; its sculpture consists of shallow, oviform, ocelli-like punctures. *Elytra* feebly striate; interstices broad, densely and minutely granulose. *Legs* stout; anterior tibiæ a little curved externally and feebly tridentate, they are bent and swollen, there is a wide deep emargination on the inside beyond the middle causing the terminal portion to appear much dilated, apex obliquely truncate, the upper face more or less furrowed and sculptured.

In the other described species, except *S. squamulosus*, the sides of the thorax are rather abruptly contracted in front, thus forming an obtuse angle at each side, in the present species such is not the case. The form of the front tibiæ is quite distinctive.

♂. Length,  $2\frac{1}{4}$ ; breadth,  $1\frac{5}{8}$  lines.

One example, discovered near Clevedon by Mr. George Munro.

1972. **S. fuscus**, *n.s.* *Convex*, ovate-quadrate; subopaque, clothed with fine decumbent yellow setæ, rufo-fuscous, legs clear pitchy-red, antennæ and palpi fulvous.

This species approaches *S. inflatipes* in form and sculpture, but the *hind-body* is shorter and more rounded. The front tibiæ are quite different; these are inwardly curvate, dilated towards the extremity, which part is obliquely truncate, and not armed with the projecting calcar that may be seen in the typical form (No. 451), externally they are distinctly tridentate.

Length,  $2\frac{1}{2}$ ; breadth,  $1\frac{5}{8}$  lines.

My specimen was found amongst decaying leaves, near Howick.

Obs.—As the structure of the anterior tibiæ presents good distinguishing characters, I give some details of those species I have been able to examine.

The following species have the extremity dilated and subtruncate, and the protruding calcar obsolete or altogether absent: *S. squamulosus*, *S. setosus*, *S. inflatipes*, and *S. fuscus*.

In *S. edwardsi* and *S. nitidulus* the three outer teeth or projections are very conspicuous, but in the latter species the third or apical one is scarcely more prominent than the first.

In the four first-mentioned species the external denticulations are sometimes greatly reduced, the first or uppermost being often quite obsolete.

1973. **S. setosus**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 398.) *Breviter* ovalis, latus, fusco-niger, opacus, supra breviter setosus, pedibus piceis, antennis pallide flavis; *tibiis* anterioribus extus ante apicem angulatis, intus valde curvatis, apice obliquo, dilatato.

Long.,  $4\frac{1}{2}$  mm.

This is readily distinguished from the other species by the setose surface, and the peculiar shape of the front tibiæ; the latter of these characters may prove to be found in the male only. The broad *head* is densely punctate, bidenticulate in front. The *thorax* is moderately closely punctured, indistinctly depressed along the middle behind.

The *elytra* are only obsoletely striate, but the striæ can be well distinguished, owing to the setæ being absent, or nearly so, along their course.

Grey mouth. Helms; two examples, in bad preservation.

1974. **S. fulvipes**, *n.s.* Broad, a little nitid; head obscure-red, legs almost fulvescent, thorax and *elytra* pale rufo-castaneous, tarsi red, antennæ flavous; clothed with fine, distinct, yellow setæ.

*Thorax* twice as broad as long, its sides slightly and almost regularly curvate, hind angles nearly rectangular; its punctuation shallow, not close, the setæ short. *Elytra* similarly clothed, with rather broad but shallow striæ, most distinct near the base and apex. Anterior *tibiæ* curved, inwardly dilated at the extremity, slightly oblique there, tridentate externally; the middle and hind tarsi rather broad and short. Head normal.

Allied to *S. setosus*, Sharp; the thorax indistinctly impressed longitudinally.

Length,  $2\frac{1}{4}$ ; breadth,  $1\frac{5}{8}$  lines.

Napier (Forty-mile Bush). One individual, probably a female, sent by Mr. H. Suter.

## Group—APHODIIDÆ.

### Phycochus.

1975. **P. lobatus**, *n.s.* Shining, nigro-fuscous, legs reddish, tarsi and palpi fulvescent; convex, ovate, broadest behind, glabrous above.

Very much like *P. graniceps*. In that species, however, the granulate frontal portion is marked off from the smooth back part by two broad oblique depressions; in this species the *occiput* too is smooth, but the granulate part does not seem so much raised, owing to the absence of the depressions, and the granules are not so close. *Thorax* strongly transverse, strongly rounded laterally, its angles obsolete, the sides with some fine denticles so as to appear sub-crenulate, with a distinct groove along the base, slightly angulate or lobate in front of the scutellum; in *P. graniceps* it is just the reverse, the middle of the base being slightly incurved, though at first sight appearing truncate. *Elytra* with five or six shallow striæ on each, the sutural least distinct, whereas in *P. graniceps* the sutural stria is the only one that can be easily seen.

The *tarsi* are only triarticulate, and are without claws, but are provided with setæ. The *antennæ* are inserted on the lower surface of the head, the sides being widely hollowed for their accommodation. The *epipleuræ* are broad at the base, linear behind. The *femora* scarcely extend beyond the sides of the body; the *tibiæ* are very thick and rather scabrous. The posterior *trochanters* are elongate. The insect looks like a *Pericoptus* in miniature.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Taranaki. One found on the sea-shore.



## Group—MELOLONTHIDÆ.

*Stethaspis*.

1976. *S. prasinus*, n.s. *Nitid*, green, suture and sides of elytra pale obscure-red, antennæ ferruginous, legs greenish, knees, extremity of tibiæ and of the tarsal joints, as well as the claws, rufescent; underside pale-green, clothed with greyish hairs, sternal process and coxæ testaceous.

Differs from *S. suturalis* as follows :—

*Clypeus* broadly emarginate in front, with more rounded angles. *Eyes* more depressed. *Thorax* more deeply emarginate at apex, the emargination almost truncate, anterior angles more prominent, its sides rather more curved and with a wide but not deep sinuosity near the front; its surface somewhat uneven and more closely and coarsely punctured. *Scutellum* shorter. *Elytra* more obviously punctated, their apices more rounded, and armed at the suture with (on each elytron) a distinct spiniform process. *Sternal process* a little shorter and more obtuse at apex. *Hind coxæ* more acutely prolonged behind.

♀. Length, 11; breadth, 6 lines.

Mr. G. V. Hudson was kind enough to send me a specimen from Wellington.

Obs.—Lacordaire states that the antennæ of *Stethaspis* are composed of nine joints, and that Hope gave them ten. Neither is right: the real structure is as follows :—

*Antennæ* 8-articulate, first largest, gradually thickened and obliquely cut away at the extremity, second longer than third and gradually thickened, third cylindrical, fourth rather larger than third and obliquely truncate at apex, fifth very short and transverse, a little produced inwardly; club triarticulate, each leaflet as long as the stalk in the male sex.

Female. Club half as long as in the other sex.

*Costleya*.

*Nov. gen.*

Allied to *Stethaspis*, but presenting the following differences of structure :—

*Sternal process* abbreviated, and, on a lower plane, nearer to the breast, provided with a second connate process projecting further forward, yet not attaining the front coxæ. The intermediate joints of the *tarsi* but little longer than broad. Anterior *coxæ* more prominent and elongate.

The above characters are sufficient to justify generic separation, and, regarding the name itself, a few words may be appropriately added. Although the late Mr. Edward Costley did not distinguish himself as a scientific worker, his munificent bequest to the Auckland Museum is enough, I think, to warrant my action in thus perpetuating his name.

1977. **C. discoidea**, *n.s.* *Convex*, shining, head and thorax fusco-violaceous with a greenish tinge, the sides of the latter, and the legs, testaceous; clypeus and elytra testaceous, but with a greenish hue; scutellum green; antennæ fuscous, club blackish; the sides and base of thorax and the elytral margins sparsely fringed with long pallid hairs, pygidium and breast pilose.

*Head* moderately and distantly punctured; the clypeus more coarsely, its apex emarginate. *Eyes* not prominent. *Antennæ* of moderate length; basal joint hairy, elongate, incrassated apically; second rather short and stout; third considerably shorter than fourth; fifth short; club elongate, compact, triarticulate. *Thorax* transverse, its sides nearly straight behind, obliquely narrowed towards the prominent anterior angles, apex deeply emarginate, base medially lobate and sinuated laterally; its sculpture similar to that of the head. *Scutellum* curvilinearly triangular, punctate. *Elytra* distinctly striate-punctate, the alternate interstices more elevated than the others, none of them perceptibly punctured; apices rounded, not spiniform at the suture. *Pygidium* fuscous, remotely punctated.

*Underside* infusate, coxæ and trochanters testaceous; posterior coxæ acutely prolonged backwards.

The insect resembles in form the well-known *Stethaspis suturalis*, the legs also are similar, but the four basal joints of the tarsi are decidedly shorter.

Length,  $8\frac{1}{2}$ ; breadth,  $4\frac{1}{2}$  lines.

Mr. Cheeseman picked up a dead male specimen on Mount Arthur at an elevation of about 5,000ft.

### Pyronota.

1978. **P. electa**, *n.s.* *Oval*, shining, of a beautiful pale-red, tinged with blue behind; thoracic vitta and elytral suture almost scarlet, a greenish-yellow stripe on each side of the latter; legs infusate-red; *underside* obscure-red.

*Thorax* more narrowed before the middle than behind. *Tibiæ* stout, tridentate externally. *Elytra* rounded apically, not at all truncate.

♀. Length,  $4\frac{1}{2}$ ; breadth,  $2\frac{1}{2}$  lines.

Parua, Whangarei Harbour. One female.

1979. **P. regalis**, *n.s.* *Shining*, crimson-red, thoracic stripe paler and rather indistinct, suture of elytra golden-green; tibiæ fusco-testaceous; *underside* castaneous.

*Thorax* gradually narrowed towards the front. *Tibiæ* (anterior) with one broad angulation in addition to the terminal projection.

This differs from *P. electa* in the form of the thorax, in the structure of the front tibiæ, and in having longer coxal spines. Apices of elytra almost obliquely truncate.

♀. Length,  $4\frac{1}{4}$ ; breadth,  $2\frac{1}{4}$  lines.

Parua. One female.

1980. **P. dives**, *n.s.* *Shining*, head and thorax greenish-yellow, basal margin of the latter quite green, the dorsal vitta red; *elytra* crimson-red, sometimes slightly flavescent, their suture of a metallic golden colour; apices oblique near the suture; *underside* blackish, *tibiæ* rufo-fuscous.

Male. Front *tibiæ* broad, nearly straight externally, *curvate* inwardly, with a subapical obtuse tooth on the outside; basal joint of tarsus short and broad; coxal spines rather small; *antennæ* with rather short club, sixth joint a little produced, all these blackish.

Female. Front *tibiæ* with an obtuse tooth on the outside.

♂, ♀. Length,  $4\frac{1}{2}$ ; breadth, 2 lines.

Bluff Harbour, Southland. My three specimens were given to me by Mr. A. T. Urquhart.

1981. **P. aurata**, *n.s.* *Body* pale golden-green, head and thorax paler than *elytra*, thoracic stripe indistinct, yellowish; *elytra* with a bluish tinge behind, and along each side of the fulvescent suture, apices rather narrow, not oblique; *underside* castaneous; *legs* testaceous.

Male. *Tibiæ* nearly straight, and with a single tooth on the outside, strongly obtusely angulate below behind the middle, so as to appear widely emarginate beyond that point; basal joint of tarsi (anterior) stout but elongate. *Antennæ* pale-yellow, sixth joint small, club moderate, its three leaflets black.

♂. Length, 4; breadth, 2 lines.

Parua. A single male.

1982. **P. purpurata**, *n.s.* *Shining*, head and thorax bright-green, the stripe on the latter red; *elytra* rounded behind, green, but with most of their surface reddish-purple, second interstices quite green, suture metallic-red; *legs* and *antennæ* testaceous, club black.

Male. Front *tibiæ* curved externally, unidentate near the extremity, on the inside dilated beyond the middle; basal joint of the tarsus stout and of moderate length.

Independently of coloration, this differs from *P. festiva* by the rather shorter club, shorter first joint of the front feet, more closely punctured head with less distinct interocular suture, and by the inwardly-bent posterior *tibiæ*. *Antennæ* with small, simple sixth joint.

♂, ♀. Length,  $4\frac{1}{4}$ ; breadth,  $1\frac{7}{8}$  lines.

Parua. One of each sex.

1983. **P. cærulea**, *n.s.* *Oval*, shining, pale-blue; the scutellum and lateral margins of thorax greenish-yellow; suture of *elytra* pale-green, their sides yellowish; the legs and margins of clypeus, and the *antennæ*, testaceous, club black; *underside* fuscous.

Although a female specimen, the front *tibiæ* are straight, with only one, very obtuse, external tooth, the apical protuberance but little curved.

Length, 4; breadth, 2 lines.

Waitakerei Range.



1984. **P. lugubris**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 398.) *Ovalis*, supra niger, limbo flavescens, subtus flavescens abdomine plus minusve nigricante, antennarum basi pedibusque flavis.

Long., 8mm.

This is easily recognised by the black colour of the upper surface, the outer margin of the thorax and elytra being yellow, this colour on the wing-cases becoming broader behind, and sometimes extending a little forwards from the apex along the suture. The front tibiae of the male are slender, but shaped much as in *P. festiva*, and the basal joint of the front tarsus in this sex is longer and more slender than in the other species; the club of the antennae is elongate.

Grey-mouth. Helms.

Obs.—This species occurs also in Otago, and I captured several specimens on Mount Egmont. None are quite so large as described, and some are entirely dark in colour.

*P. edwardsi* has been found at Taieri, Otago; in some examples there is a reddish or fuscous vitta on the thorax, besides other variations of colour.—T. B.

1985. **P. pallida**, *n.s.* *Pallid*; thoracic stripe, suture and lateral vittae of elytra, infuscate-red; body pale obscure testaceous-green, in some cases more infuscate; legs and antennae pale reddish-chestnut; underside darker than legs; club black.

*Thorax* narrowed behind the middle as well as in front, the sides, therefore, slightly angulated. *Elytra* rounded behind, not oblique.

Male. Front tibia narrow, nearly quite straight, excised on the outside near the extremity so that there is no very distinct sub-apical tooth, the terminal process directed forwards and rather short; *tarsi* not elongate, basal joint of moderate length, inserted near apex. *Club* rather short. *Palpi* stout, their terminal joint thick, but somewhat acuminate.

Female. Anterior tibiae tridentate, the uppermost tooth obtuse.

This is perhaps the smallest species, and not at all difficult to separate from the others.

Length,  $3\frac{1}{2}$ ; breadth, 2 lines.

Mount Egmont and Tuakau. Mr. Urquhart also brought a female specimen from Stratford, near Mount Egmont.

### Odontria.

1986. **O. albonotata**, *n.s.* *Subovate*, widest behind, opaque, nigro-fuscous; head shining dark-castaneous, front margins reddish; legs and antennae testaceous; densely clothed with depressed, rather short, greyish-yellow hairs, and with some longer ones on the thorax and sides of the body; elytra with numerous whitish spots, not due to the pubescence but on the derm itself.

*Head* with coarse distant punctures; clypeus broadly rounded

in front, with reflexed margins; labrum rather deeply concave. *Thorax* strongly transverse, middle of base obtusely prominent; its punctures fine and distant, concealed by the clothing. *Elytra* finely and not at all closely punctured, each with four or five very fine striae on the dorsum, the sides apparently estriate.

*Underside* finely punctate and pubescent; abdomen darker than the sternum, the latter with a few elongate hairs; *epipleurae* finely sculptured.

Male. *Antennae* moderate, fifth joint inwardly prolonged, two-thirds the length of the next one, and, like the last three, pubescent. Anterior *tibiae* bidentate externally, apical protuberance porrect.

Length,  $6\frac{1}{2}$ ; breadth,  $3\frac{1}{4}$  lines.

Napier (Forty-mile Bush). Mr. H. Suter.

### Sericospilus.

*Nov. gen.*

(Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 83.)

*Corpus* elongatum, haud pubescens, subtus nitidum. *Oculi* convexi. *Antennae* 8-articulatae, articulo 3° quasi in medio articuli quarti faciei interni inserto, hoc elongato, sed articulo quinto multo brevior, articulis 5-8 valde elongatis, longius densiusque setulosis, clava elongata tenui formantibus. *Ligula* pars anterior angusta; palpi maxillares elongati. *Metasternum* elongatum. *Unguiculi* simplices.

This genus is allied to *Odontria*, but is distinct by a number of characters. The elongate form, the bare undersurface, the elongate metasternum, the narrow ligula, and more elongate maxillary palpi are abundantly sufficient for generic distinction. The form is very similar to that of the Patagonian genera, *Sericoides* and *Listronyx*, and it is probable that, notwithstanding the slight difference in the porrection of the labrum, it is more allied to them than it is to *Odontria*. *Listronyx* has a similarly-formed club of the antennae, except that it is five- instead of four-jointed. It is probable that Lacordaire pursued an erroneous course in uniting White's genus *Eusoma* with *Odontria*; but, as I am not acquainted with the insect described by White, I cannot speak with decision as to this.

1987. **S. advena**, *n.s.* (Sharp.) *Suboblongus*, parum convexus, fere parallelus, supra opacus, subtus sat nitidus, haud vestitus, corporis margine laterali setuloso, capite anteriori ferrugineo, posteriori nigricante; *prothorace* irregulariter punctato, fusco-ferrugineo, lateribus dilutioribus; *elytris* ferrugineis nigro quasi marmoratis, plagis his nigris, lateraliter visis, opalescenti-micantibus, pectore pedibusque testaceis; *tarsis* elongatis gracilibus.

Long., 13min.; lat., 6min.

The colour and sculpture of the wing-cases is peculiar; they have a rather indefinite but not coarse punctuation, which is not arranged in series, and they are indistinctly costate longitudinally, the appearance of being ribbed being caused apparently quite as much by the arrangement of the colours as by elevation of the surface; the colour

is obscure-yellowish, but there are numerous patches of dark colour arranged in a serial manner; these patches are of irregular outline, and those in each series tend to be connected with one another; seen in a certain light the elytra assume, in consequence of these patches, a brilliant appearance. The sides of the breast are rather closely punctate. I have five individuals before me, but can detect no sexual distinctions.

Greymouth: Helms. Henry Edwards, Esq., New Zealand.

## Group—EUCNEMIDÆ.

### Agalba.

#### *Nov. gen.*

*Allied to Talerax*, but exhibiting some important structural differences.

*Antennæ* rather less approximate, thick, sometimes serrate; their cavities large, oblique, quite visible from above, and extending inwards in line with the front and inner margin of the eyes; the *head* itself more or less evidently carinate along the middle; the *forehead* is angularly dilated in front; the *labrum* I cannot see; the *mandibles* are much exposed. *Prosternum* with simple, oblique sutures, without any frontal transverse groove; it is sinuous in front, and is so shortened that the flanks project forwards a good deal beyond its central portion; the small saltatorial mucro is deflected, so as to be on a lower plane than the sternal process. *Mesosternal cavity* with slightly-thickened borders, not, however, raised, and reaching the intercoxal suture. *Coxal lamina* almost quite straight behind, the fine frontal suture continued obliquely and curvedly forwards, so that, at the side, the lamina is about twice as long as it is near the trochanter. *Eyes* smaller than in *Talerax*, and not so prominent.

1988. **A. ruficorne**, *n.s.* *Convex*, subcylindric, not narrow; sparingly clothed with very fine, short, yellowish hairs; glossy, dark rich brown; the apex and hind angles of thorax, the scutellum, and base of elytra rufescent; legs fulvescent; antennæ red.

*Head* rather broad, with a slender frontal carina, moderately finely and closely punctured. *Antenna* with yellow pubescence, thick, not serrate; basal joint curvate, nearly as long as the next three; second not abbreviated, third a little shorter than it; 4-10 almost transversely quadrate. *Thorax* broader than long, convex, but much depressed at the base, apex subtruncate; front angles deflected, the posterior rather short, not acute, directed almost straight backwards; its surface finely and distantly punctured. *Scutellum* smooth. *Elytra* slightly narrowed behind, with raised shoulders; they bear numerous series of rather fine punctures, which, however, do not form striæ.

♀. Length, 2 lines; breadth, nearly  $\frac{5}{8}$  line.

Waitakerei Range. One example.



1989. **A. nigrescens**, *n.s.* *Subopaque*, black, legs infusate, knees rufescent, tarsi testaceous, antennæ fuscous; pubescence cinereous.

*Head* finely and closely punctate, frontal carina well developed. *Antennæ* thick, moderately elongate, slightly serrate; second and third joints reddish, transverse, third rather smaller than second; joints 4–10 longer than broad, densely ciliated. *Thorax* nearly as long as broad, closely and finely punctured, feebly canaliculate, posterior angles not divergent. *Elytra* rather closely and finely punctured, with numerous vague striæ, the sutural row of punctures coarser and deeper near the extremity; there are two basal impressions, so that the shoulders seem raised. *Tarsi* narrow, nearly equalling the tibiæ in length.

♂. Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{3}{4}$  line.

Tairua, 1884. One male only.

OBS.—No. 1367 becomes *Agalba cylindrata*.

## Group—ELATERIDÆ.

### Protelater.

1990. **P. urquharti**, *n.s.* *Shining*, smoky-black; elongate, narrow; sparsely clothed with fine yellowish hairs.

*Head* with some fine punctures, two large spots quite smooth. *Prothorax* long, rather finely punctured. *Antennæ* reaching back to base of elytra, serrate, second and third joints short, equal. *Elytra* striate, the striæ well marked behind, but quite obsolete from near the base to the middle, the punctures, however, continuous; interstices finely and distantly punctated, the third, fifth, and seventh more elevated behind than the others.

Agrees pretty well with Dr. Sharp's description of *P. nigricans*, but the punctures of the thorax are not distinct, being very fine and not at all distant from one another, and the elytral sculpture seems to be essentially different.

Length,  $4\frac{1}{2}$  lines; breadth, quite  $\frac{7}{8}$  line.

This species is dedicated to its discoverer, A. T. Urquhart, Esq., Karaka, Auckland. It was taken on Te Aroha.

1991. **P. costiceps**, *n.s.* *Subcylindric*, elongate, subopaque; nigro-fuscous; the tibiæ, middle of femora, and two basal joints of antennæ infusate; base and apex of femora and posterior tarsi testaceous; elytra with an elongate space on the second and third interstices at the base, four large spots forming a curved, interrupted fascia near the middle, and an apical fascia, more or less testaceous; underside dark; the surface clothed with greyish or ash-coloured hairs.

This is distinguished from No. 547, its nearest ally, by the evidently closer punctuation of the *head* and *thorax*; the punctures are separated by very narrow intervals, and the sculpture appears rugose. The *elytra* are more punctate-striate, and the interstices

are covered with transverse rugosities. The lateral edges of the *forehead* are much more elevated and more distinctly prolonged anteriorly. The *antennæ* are more elongate, rather more serrate, the fourth joint is distinctly longer than the fifth, and the third is about one-fourth shorter than the second. The other disparities are indicated above.

Length,  $2\frac{7}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Waitakerei Range. One individual only.

1992. **P. pubescens**, *n.s.* *Elongate*, subcylindric, a little shining, clothed with greyish-yellow hairs, those on the thorax quite conspicuous and rather yellower than the others; fusco-niger, the thighs and thoracic angles pallid-testaceous, tibiæ and tarsi infusate, basal joint of antennæ fulvescent.

Smaller and more slender than *P. guttatus*; the *thorax* more distantly punctured, the punctures and interstices of about equal size, its surface quite shining, the basal angles more divergent. *Elytra* almost similarly sculptured, but quite unspotted, and with rugose interstices. Intermediate tibiæ somewhat bent. *Antennæ* distinctly serrate, the joints like those of *P. costiceps*. The *head* is more finely punctured, and the space between the antennal cavities is hardly more than half the width it is in No. 547.

Length,  $2\frac{3}{8}$  lines; breadth,  $\frac{1}{2}$  line.

Mount Te Aroha. Described from a specimen which was found by Mr. A. T. Urquhart.

### Thoramus.

1993. **T. huttoni**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 400.) *Nigricans*, parum nitidus; *prothorace* elongato, anterieus angustate, crebre subtiliter irregulariter punctato, dorso utrinque area impunctato; *elytris* subtiliter striatis, interstitiis crebre obsolete punctatis.

Mas, *antennis* articulis secundo, tertioque brevissimis, 4-10 angulo apicale interno sat producto.

Long., 19mm.

This species is readily distinguished from others of the genus by the fine prothoracic punctuation; it also possesses an important structural peculiarity, the sides of the mesosternal cavity being very much shorter in front: this character is so striking that it may prove to be of generic importance; the metasternum between the middle coxæ is not very well co-adapted with the mesosternal cavity at the sides, but in the middle the two are consolidated.

Dunedin. Professor Hutton. A single example was sent me from this locality in 1879 by the eminent naturalist in whose honour I have named it.

OBS.—*Thoramus wakefieldi* and *T. obscurus* have been met with by Mr. Helms in some numbers near Picton; both run through similar variations in size and some of the smaller details, and I now feel pretty certain that the suspicion I expressed as to the two being

sexes of one species was correct, and propose that they should be united, the trivial name of *wakefieldi* being retained for the species. The variation in size of the individuals is remarkable, some of the females being about 30mm. long, while other examples of the same sex scarcely attain 15mm. The largest male I have seen is about 21mm. long.

*Thoramus parryi*, Cand. I have made acquaintance with the male of this species by means of an example from the late Andrew Murray's collection. It is extremely similar to the corresponding sex of *T. feredayi*, but has the meso- and meta-sterna between the middle coxæ more consolidated, the produced angles of the antennæ less elongate, the sides of the thorax without constriction, and the punctuation of the interstices rather more obsolete. Thus the species *T. wakefieldi*, *T. parryi*, *T. feredayi*, and *T. levithorax* appear to be valid, though the female of *T. feredayi* is still unknown, and, no doubt, will prove to be difficult to distinguish from the smaller individuals of the corresponding sex of *T. wakefieldi*.

### Cryptohypnus.

1994. **C. pallipes**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 400.) *Niger*, *antennis fusco-testaceis*, *basi, palpis, pedibusque pallide flavis*; *prothorace magno, convexo, nitido, angulis posterioribus elongatis, sat divergentibus, crebrius fere subtiliter punctato, medio canaliculato*; *elytris subtiliter striatis, interstitiis subtiliter punctulatis*.

Long., 11mm.

This is allied to *C. thoracicus*, but is readily distinguished by the very fine sculpture, and the quite pallid femora and base of the antennæ; the pubescence is short and extremely fine; the *thorax* is elongate, the length along the middle being just equal to the greatest breadth; the sides are a good deal rounded, and there is a very distinct constriction in front of the angles; these latter are rather divergent, there is a rather long basal plica on each side in addition to the carina on the angle.

Greymouth. Helms. Two examples, probably female.

Obs.—*Cryptohypnus thoracicus*, Sharp. Mr. Helms has sent me from Greymouth a series of this species; some of the examples are only half the size of the typical example, and are besides narrower and more parallel, with straighter sides to the thorax; these individuals represent, I have little doubt, the male sex, and they come so near to *C. frontalis* that I feel doubtful whether this latter may not prove to be only a very sparingly punctate variety of *C. thoracicus*: it may, however, be retained as distinct till further evidence can be obtained to settle the point decisively.

1995. **C. picticornis**, *n.s.* *Elongate*, nearly parallel, *elytra* somewhat depressed, slightly nitid; clothed with fine ash-coloured hairs, becoming flavescent towards the sides, and more sparingly distributed on the thorax; *fusco-niger*, most part of femora (and



antennæ) fuscous, the basal portion of each joint of the latter reddish; tibiæ, tarsi, and trochanters testaceous; terminal joint of palpi blackish.

*Thorax* longer than broad, its sides rounded, sinuously narrowed behind, basal angles large, acute, and divergent, its surface closely and finely punctate, with an indistinct dorsal furrow. *Scutellum* rather broad, somewhat rounded, opaque, densely sculptured, and bearing slender, upright pubescence. *Elytra* a little narrowed towards the base, evidently striate, interstices densely rugulose. *Antennæ* as long as head and thorax, second joint about one-fourth shorter than the third, which is not so slender at the base as the following ones.

*Underside* fuscous, closely covered with greyish-yellow pubescence; prosternum nearly nude, finely and closely punctated; its process elongate and tapering; cavity of mesosternum oviform, with rather flat, narrow borders; metasternum grooved.

The peculiar scutellum, in conjunction with the rufescent basal portion of the antennal articulations, seem distinctive.

Length, 4; breadth,  $1\frac{1}{2}$  lines.

Boatman's, near Reefton. Two specimens, both females I think, found by Mr. Cavell.

1996. **C. monticola**, *n.s.* *Subdepressed*; pubescence minute, yellowish-grey; slightly shining, brownish-black; tibiæ and tarsi testaceous, a little rufescent, femora infusate; antennæ rufo-fuscous, the three basal joints, as well as the palpi and labrum, similar to the tarsi in colour.

*Head* closely and finely punctate, nearly horizontal and indistinctly sinuous in front. *Antenna* just longer than the head and thorax, second joint one-third shorter than fourth, third hardly any longer than the following one. *Thorax* as long as broad, moderately canaliculate, closely and finely punctured, posterior angles very small, acute, slightly divergent, with a short carina near each; the sides only moderately rounded, sinuously narrowed behind. *Elytra* rather flat, evidently striate, interstices so sculptured as to appear feebly rugulose.

The very short thoracic angles ally this species to *C. powelli*.

Length,  $3\frac{5}{8}$ ; breadth,  $1\frac{1}{2}$  lines.

Found on the hilly country near Lake Tekapo, by Mr. T. F. Cheeseman. One individual only.

1997. **C. sternalis**, *n.s.* *Shining*, subdepressed, fusco-niger; tibiæ, tarsi, and trochanters testaceous, femora infusate; antennæ fuscous, the basal portion of some joints slightly rufescent; pubescence, for the most part, very fine, ash-coloured, but near the sides and thoracic angles much more conspicuous and yellowish.

*Head* finely and not closely punctured, medially depressed in front, at which point the frontal margin is quite effaced though obvious enough near the sides, it has also an impression on the vertex. *Antennæ* extending just beyond the base of the thorax,

their fourth joint one-third longer than the second, third but little longer than fourth. *Thorax* about as broad as it is long, widest near the front, its sides but little curved, moderately narrowed behind; posterior angles thick, moderately long and divergent, the carina near each short and indistinct; dorsal furrow not well marked, the punctuation close but fine. *Scutellum* finely punctate and pubescent. *Elytra* evidently striate, the two or three sutural striæ apparently impunctate, the outer striæ less distinct but with larger punctures, interstices with numerous fine punctures but only obsoletely wrinkled.

In my specimen the saltatorial mucro seems to be broken off behind the front coxæ, between these it is finely margined and medially concave, which is not the case in *C. picticornis*; the borders of the mesosternal cavity are rather narrow; the metasternum and abdomen are densely covered with fine yellowish hairs; the prosternal sutures are more divergent in front than in that species, so that it is not a mere sexual variety.

It is perhaps most nearly allied to Dr. Sharp's *C. frontalis*, which he thinks may prove to be the male of *C. thoracicus*.

♂. Length,  $2\frac{3}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Boatman's. One example, forwarded by Mr. Cavell.

1998. **C. basalis**, *n.s.* *Subdepressed*, clothed with short, slender, erect, yellowish hairs; slightly nitid, castaneous; legs, antennæ, and palpi reddish-chestnut, femora a little infuscate.

*Head* finely and rather distantly punctured in front, more densely near the eyes. *Antennæ* rather longer than the head and thorax, third and fourth joints nearly equal, second not much shorter than fourth. *Thorax* about as long as broad, widest behind the middle, not much rounded laterally, narrowed behind; basal angles moderately short, acute, obviously divergent, the ridge near each indistinct; trisinate in front, anterior angles depressed; dorsal furrow moderate, the punctuation near it finer and closer than it becomes towards the sides. *Scutellum* almost quite smooth. *Elytra* with well-marked striæ, only the outer ones punctured, interstices finely rugose.

This peculiarly-coloured species may be easily recognised by the presence of a smooth, almost polished, area at the base of each elytron, about the size of the scutellum. Some other species exhibit this character too, but in so slight a degree as to escape notice.

Length,  $4\frac{3}{4}$ ; breadth,  $1\frac{3}{8}$  lines.

Wangapeka Valley. One specimen; Mr. Cheeseman.

1999. **C. fuscipennis**, *n.s.* *Shining*, very slightly depressed; pubescence rather elongate but slender, yellowish; head and thorax brownish-black, elytra chestnut-brown; legs fuscous, the knees and a large part of each tibia obscure-testaceous; antennæ blackish, the base of some joints obscure-red.

*Head* moderately closely, finely, and regularly punctured, the forehead depressed at the middle, with a fovea-like impression

between the eyes. *Antenna* with the tenth joint reaching the base of the thorax, third and fourth joints not appreciably different, second one-third shorter than fourth. *Thorax* along the middle scarcely longer than the greatest breadth, which is near the front, only moderately rounded laterally, not much contracted behind; posterior angles thick, of moderate length, divergent, without distinct carinæ near them; it is convex, the dorsal channel is obsolete in front, and the punctuation is moderately close and fine, but quite distinct. *Scutellum* closely sculptured and pubescent. *Elytra* punctate-striate, the striæ nearest the suture least distinctly punctured, interstices rather closely and finely punctated, obsoletely rugulose.

Belongs to the section with well-developed thoracic angles. The elytra less (hardly at all) depressed than is usual, and paler in colour.

A second specimen has one antenna wholly fusco-testaceous, the other being as described above; the tibiæ and tarsi are obscure-testaceous and concolorous; there is a very distant interocular rounded fovea; there is scarcely a trace of the common groove along the middle of the thorax. This may ultimately prove to be a distinct species: at present, owing to the condition of the antennæ, I merely note its existence.

Length,  $3\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Taranaki. I am indebted to Mr. A. T. Urquhart for the two specimens, which he found near Mount Egmont.

### Lomemus.

2000. **L. fulvipennis**, *n.s.* *Shining*, head, thorax, and scutellum blackish; elytra rufo-fulvous; antennæ piceous, the base of some of the joints paler; legs variegated chestnut; tarsi and palpi obscure-fulvous; underside dark-fuscous, nearly black.

*Head* rather finely and not closely punctate. *Antennæ* stout and elongate, third joint about one-fourth longer than the second, the two together but little shorter than the fourth; joints 4-10 moderately prominent inwardly at the extremity so as to appear serrate. *Thorax* convex, somewhat longer than broad, narrowed towards the front; posterior angles stout, carinate above, not divergent; punctuation moderately fine, not close. *Elytra* evidently striate, becoming less distinct behind; outer striæ distinctly punctured, the sutural well marked throughout; interstices so sculptured as to appear slightly rugulose.

This should be placed near *L. elegans*, from which it is differentiated by having a longer and more finely punctured thorax, &c. The clothing is yellowish.

♀. Length, 4 lines; breadth, 1 line.

Waitakerei Range. One individual.

2001. **L. fuscicornis**, *n.s.* *Narrow*, not parallel, moderately shining; head and thorax black, elytra piceous, legs rufo-fuscous, not concolorous, antennæ fuscous.



Nearly allied to *L. similis*; the *forehead* not unusually prominent in the middle, closely and rather strongly punctured, not so much so as in that species; *antennæ* longer than head and thorax, third joint longer than the second, these two conjointly about as long as the fourth; *thorax* more elongate, not so coarsely sculptured, the punctuation, however, tolerably close and coarse; *elytra* less deeply striate, the interstices broader but not so rugose, their sculpture becoming finer behind; this last character at once distinguishes it from *L. obscuripes*.

♀. Length,  $3\frac{1}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Parua. One example.

2002. **L. maurus**, *n.s.* *Subparallel*, elongate, rather narrow; glossy-black, legs and antennæ nigro-fuscous, the knees and tarsi obscure-testaceous; clothed with ash-coloured hairs, those on the elytra closely placed, short and slender, but with a few more elongate ones disposed almost in series.

*Head* strongly and closely punctured, the forehead strongly curved in front. *Antennæ* long and stout, third joint slightly longer than second, both together rather shorter than the fourth; joints 4–10 moderately produced inwardly at the apex. *Thorax* evidently longer than broad, gradually narrowed towards the front, basal angles somewhat divergent; its sculpture like that of the head. *Elytra* elongate, parallel, striate, the striæ feebly impressed near the middle of the base, not obliterated posteriorly, nowhere broad and deep; interstices evidently, and rather closely, punctured, but not distinctly rugose.

*L. flavipes* and *L. verticalis* are its only near allies; from these it is distinguishable by the elytral sculpture, &c.

♂. Length,  $3\frac{1}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Taieri. One from Mr. S. W. Fulton.

2003. **L. sculpturatus**, *n.s.* *Black*, femora pale-testaceous, tibiæ obscure fusco-rufous, the palpi and terminal joints of tarsi yellowish; antennæ fuscous, their three basal joints more or less rufescent; pubescence ash-coloured and yellowish, the brighter-coloured hairs most conspicuous on the sides of the thorax and base of elytra; the surface rather dull.

*Head* comparatively coarsely and closely punctured, almost rugose, the forehead regularly curvate. *Antennæ* elongate, stout; second and third joints short, and, taken together, rather shorter than the fourth; joints 4–10 moderately prolonged inwardly at the extremity. *Thorax* somewhat longer than broad, gradually narrowed anteriorly, as coarsely sculptured as the head. *Elytra* punctate-striate, the striæ nearest the suture least evidently punctured, the sutural well marked to the apex, the others not so deeply impressed behind; interstices rugulose.

Similar to No. 513 in shape, not quite so broad; forehead not so much prolonged between the antennæ, quite strongly curved however; the punctuation of the thorax decidedly coarser than in any

other species of similar size ; the antennæ less strongly serrate than in *S. similis*, their second and third joints not quite so much abbreviated.

♂. Length,  $2\frac{3}{4}$  lines ; breadth, nearly  $\frac{3}{4}$  line.

Pokeno, near the Waikato. One specimen.

2004. **L. frontalis**, *n. s.* *Shining* ; pubescence distinct, cinereous and flavescent ; head, thorax, and antennæ black ; elytra pitchy-black, reddish near the base ; legs reddish-brown.

*Head* moderately coarsely punctured, the forehead curved in front, the margins near the antennal spaces somewhat raised. *Antennæ* elongate, obviously serrate ; second and third joints short, conjointly about one-third shorter than the fourth. *Thorax* longer than broad, very gradually narrowed towards the apex ; distinctly, moderately strongly, not very closely punctured, less distinctly towards the base. *Elytra* punctate-striate, interstices rugulose.

This is an ally of *L. obscuripes* ; the body is rather larger ; the punctures on the thorax are more sharply defined, with smooth intervals ; the serrate joints of the antennæ are rather longer, and the lateral margins of the forehead are more distinctly elevated.

♂. Length,  $3\frac{1}{4}$  lines ; breadth,  $\frac{7}{8}$  line.

Waitakerei Range. Fem. incog.

### Mecastrus.

2005. **M. intermedius**, *n. s.* *Convex*, broad, glossy-black ; pubescence distinct, blackish and ash-coloured.

Rather shorter and less convex than *M. convexus*, but decidedly more convex (the hind-body especially) than *M. discedens*. From the former it differs in its more distinctly and more closely punctured *thorax*, and by the fact that the elytral sculpture is continued to the apex, though not as obvious there as it is near the base ; the apices are rather strongly or subacutely rounded, thus leaving an elongate gap at the suture. The *elytra* are not depressed, a character which, of itself, distinguishes this species from *M. discedens*, and, moreover, the striæ are more distinct on the basal portion (but not so well marked behind) than in that insect. This species, therefore, is just intermediate between these two. The elytral interstices are rugulose.

Male. Antennæ thick, joints 4-10 inwardly prolonged at the apex so as to be strongly serrate ; the second and third short, the two, taken together, one-third shorter than the fourth.

Fem. Antennæ more slender, their third joint appreciably longer than the second, these two conjointly as long as the fourth.

♂. Length,  $3\frac{1}{2}$  lines ; breadth,  $\frac{7}{8}$  line.

Tuakau, near the Waikato River ; one male. Whangarata ; one female.

### Corymbites.

2006. **C. irregularis**, *n. s.* (*Sharp* ; *Trans. Roy. Dub. Soc.*, 1886, p. 401.) *Fusco-niger*, densius pubescens, opacus, elytris

fuseis, antennis pedibusque testaceis; *elytris* subobsolete striatis, striis irregulariter subinterruptis.

Long., 17mm.

*Antennæ* rather long, reaching back a good deal behind the thorax, third joint elongate, fully as long as the fourth. *Eyes* of moderate size. *Thorax* elongate, the sides a little rounded and very slightly contracted before the hind angles, densely and finely punctate, canaliculate. *Elytra* slightly dilated from the shoulders to beyond the middle, thence much narrowed to the apex, so as to be subacuminate, densely and finely punctulate, and with fine striæ, which are irregularly interrupted so as to give somewhat the appearance of a seriate punctuation. *Legs* yellow, stout; *tarsi* elongate, stout.

This species is readily identified by its peculiar form and the conspicuous pubescence, as well as by the peculiar striation of the wing-cases; it is also peculiar structurally, the saltatorial mucro of the prosternal process being only a little prolonged beyond the lower face of the process, and only distinguished from the latter by this possessing an extremely slight tuberculation at its termination. The borders of the mesosternal cavity are not elevated, and the cavity is but little distant from the metasternum; the femoral portion of the coxal lamina is very slender, and the suture or chink between the labrum and clypeus is deep.

Greymouth. Helms.

2007. **C. mundus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 401.) *Elongatus*, parallelus, rufescens, *elytris* brunescens, antennis pedibusque testaceis; *thorace* longiore, crebrius fortiter punctato, lateribus rectis; *elytris* subtiliter striatis, densius subtiliusque punctulatis et pubescentibus.

Long., 14mm.

*Antennæ* reaching back a good deal beyond the thorax, third joint scarcely so long as the fourth, but fully twice as long as the short second joint. *Thorax* shining, of a rather bright reddish hue, evidently longer than broad, the sides straight, rather coarsely and regularly punctate, canaliculate at the base only. *Elytra* slender, very closely and finely punctate, and very minutely pubescent, finely striate. Trochanteral portion of coxal lamina scarcely distinct from the femoral.

New Zealand. Candèze. This should be placed near *C. myops* and *C. strangulatus*. I am indebted to M. Candèze for the only example I have seen; he obtained it, I believe, from Castelnau's collection.

2008. **C. canaliculatus**, *n.s.* *Elongate*, moderately narrow, a little nitid, rufo-fuscous, basal joint of antennæ fulvescent; covered with conspicuous yellowish hairs.

*Head* very broadly impressed, moderately closely and strongly punctate. *Thorax* obviously longer than broad, its sides nearly straight, a little widened towards the posterior angles, which are



carinate above, elongate, and a little divergent; the surface is comparatively finely and rather distantly punctured on the middle but much more closely near the sides, and it has a well-marked channel along the middle, extending from base to apex. *Elytra* attenuated posteriorly, rather broadly but not very deeply striate except near the base, the three external striæ only are punctured, and some of these not very distinctly; interstices finely punctured.

Male. *Antennæ* filiform, elongate, their ninth joint reaching just beyond the hind angles of thorax, second joint quite one-half the length of the third. Elytral apices obliquely truncate, simple.

Female. *Antennæ* shorter, the eleventh joint extending to base of thorax; apex of each elytron with a short notch, or incurvature, the angles of which are not appreciably produced; body larger ( $8 \times 2\frac{1}{2}$  lines).

This cannot be made to agree with the descriptions or specimens of *C. strangulatus* or *C. myops*, these two being, apparently, without any groove along the middle of the thorax; they are, however, its nearest allies.

♂. Length,  $6\frac{1}{2}$ ; breadth, 2 lines.

Waitakerei Range; one pair. I have also seen two males which were found on Te Aroha by Mr. A. T. Urquhart.

2009. **C. munroi**, *n.s.* Narrow, elongate, subparallel, somewhat shining, pale rufo-castaneous, the legs and basal joint of antennæ flavo-testaceous, the other joints fuscous.

*Head* reddish, closely and moderately coarsely punctured. *Thorax* distinctly longer than broad, its sides almost quite straight, being only a little expanded towards the basal angles, which are elongate, ridged above, and a little divergent; it is convex, without a central groove, and is rather finely and closely punctured. *Elytra* narrowed behind, their apices distinctly incurved and angulate; the striæ are distinct, broad near the base, the three on either side of the suture are impunctate, the others not coarsely punctured; interstices finely punctate.

Male. *Antennæ* elongate, the eighth joint attaining thoracic base, second joint one-half as long as fourth, which is hardly any longer than the third.

The small size, pale colour, entire absence of thoracic groove, the form of elytral apices, &c., seem distinctive. The pubescence is short, conspicuous, and of a brassy hue. The undersurface as pale as the upper, densely covered with fine pallid hairs.

♂. Length,  $4\frac{1}{8}$  lines; breadth, quite 1 line.

Clevedon. My specimen is named in honour of its discoverer, Mr. George Munro.

### Oxylasma.

2010. **O. carinalis**, *n.s.* Elongate, narrowed towards both extremities; dark chestnut-red, legs and antennæ paler, more or less fulvescent; covered with conspicuous yellow hairs.

The head is strongly punctured, there is a large depression close

to the front, the forehead is obliquely curved at each side and nearly quite truncate in the middle. *Eyes* very large and prominent. *Antennæ* slender, filiform, extending backwards to hind thighs, third joint nearly twice the length of second, these, together, about as long as the fourth, which is about one-third longer than the first. *Thorax* longer than broad, gradually narrowed towards the rectangular front angles; its surface distinctly, moderately, almost rugosely punctured, with a considerable depressed, or explanate, area near the basal angles very remotely punctate, the dorsal groove well marked throughout. *Scutellum* rather longer than broad, nearly smooth. *Elytra* gradually attenuated towards the apices, these are, conjointly, rounded; the striae are distinctly impressed throughout, and are impunctate near the base, interstices rugulose. Legs and tarsi very elongate.

In No. 1186, and in this species, the fine lateral margin of the thorax extends to the extremity of the basal angle; at a short distance from this, in the former species, there is a second, inner, slender carina along the angle; in this species the carina is finer, and is separated from the outer edge by an extremely narrow space or groove.

In this genus the posterior angles are very curious. When examined from above they appear narrow, elongate, and divergent, but extend downwards, and, below, seem to have the apex turned inwards; when looked at from the sides, they are seen to be peculiarly and obliquely flattened, with a broad, thin, almost truncate, extremity, very much like the blade of a propeller in a screw steamship.

Length, 6; breadth,  $1\frac{1}{4}$  lines.

Mount Egmont. One example. This is quite different from *O. basalis* (also from Taranaki), which has much thicker, darker antennæ.

OBS.—Dr. Sharp's genus *Asymphus* is evidently nearly allied to *Oxylasma*, but has a short clypeus. In *Oxylasma* the *clypeus* is quite large; the *prosternal process*, in Nos. 1186, 1726, and this species, is rather broad and bent upwards between the coxæ; the saltatorial *mucro* is deflected and ridged, the ridge being prolonged forwards to within one-third of the length of the prosternum; the mesosternal *cavity* is nearly triangular, with narrow, carina-like borders, and there is a well-marked suture behind it, between the coxæ. On page 679, near the bottom, the words referring to the antennæ, "each shorter than the *third*," should be "each shorter than the *fourth*." On the next page, description of antennæ, second line, should be "about half the length of the *fourth*."

## Asymphus.

Nov. gen.

(Sharp; Trans. Roy. Dub. Soc., 1886, p. 402.)

*Frons* antierius rotundato-truncata, haud marginata; *clypeus* brevis perpendicularis; *coxæ* posticæ lamina exterior perbreve.

The insect for which I establish this genus has quite the aspect of a *Corymbites*; indeed, I at first thought it would prove to be the female of *C. mundus*; but, as the front of the head shows a well-marked abrupt inflection of the clypeus, the species cannot be placed in *Corymbites*. This character brings it nearer to *Thoramus*, but it does not resemble any of the species of that genus, and has the mesosternal cavity destitute of elevated margins, and the coxal lamina is very much smaller than in *Thoramus*. The other characters are apparently the same as in the two genera mentioned. The meso- and meta-sterna are not at all consolidated at their point of contact between the coxæ; the prosternal process is nearly straight, and shows no division into two parts. The genus is not only allied to *Corymbites* and *Thoramus*, but comes very close to *Cryptohypnus* (as illustrated by *C. thoracicus*), from which it is distinguished chiefly by the shape of the front of the head, the deflexed part of the front not being completely unfolded, and by the greater elongation of the basal joint of the tarsi.

2011. **A. insidiosus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 402.) *Rufescens*, antennis pedibusque testaceis, elytris pallide brunneis; *prothorace* subquadrato, crebrius subtiliter punctato, angulis posterioribus parum prolongatis, apicibus quasi-obtusis; *elytris* striatis, obsolete punctulatis, striis ad apicem profundis, apicibus obtusis.

Long., 13mm.

*Antennæ* yellow, reaching back slightly beyond the thorax, basal joint stout, second and third short, subequal, fourth twice as long as second. *Thorax* straight at the sides, and only very slightly narrowed at the front angles, slightly longer than broad, the hind angles but little prolonged, and slightly twisted or uplifted, their apices viewed laterally appearing rounded, the surface is rather closely and finely punctured, extremely feebly pubescent. *Elytra* rather distinctly striate, the striæ continued without obliteration to the apex, this not at all acuminate; the interstitial punctuation is very indistinct, and the pubescence very feeble.

Bealey. Helms; one example. I suppose the individual to be a male. It is remarkable inasmuch as the front leg on the right side is aborted, and only one-third the natural size; but the development of the example does not appear to have been in any way affected by this.

OBS.—*Geranus crassus*, Shp. Mr. Helms has sent me from Greymouth, Picton, and Bealey, specimens of *Elater lineicollis*, White, accompanied in each case by one or more examples of *Geranus crassus* from each locality, so that I now entertain no doubt that the two are the sexes of one species, *G. crassus* being the female.

*Protelater elongatus*, Shp. I have received also a nice series of this insect from Mr. Helms. Amongst them is a well-marked variety, represented by a small number of examples, in which the black marks of the elytra are not present, or, rather, are indefinite



and diffused over nearly the whole surface of the wing-cases, so that these become of a dark-brown colour, with one or two small paler spaces over which the dark colour is not diffused. This variety is not connected with the type by intermediate examples, and may be styled var. D. It much resembles *P. huttoni*, but has the wing-cases darker in colour, and with the alternate interstices more elevated behind, the sides of the body beneath infusate, and the process of the metasternum between the middle coxæ broader.

### Chrosis.

2012. *C. impressa*, n.s. *Robust*, shining, black; tibiæ and tarsi more or less ferruginous; sparsely clothed with greyish hairs.

*Head* almost triangularly impressed, with a few rather coarse distant punctures. *Thorax* rather longer than broad, narrowed towards the front, posterior angles divergent; apex with a short median and two wider sinuations, one towards each side, anterior angles obtuse; the sides in front depressed and a little uneven, moderately punctured; near each side behind the middle are two or three transverse impressions with small corresponding notches or indentations; disc finely and remotely punctured. *Elytra* attenuated posteriorly, apices obtusely rounded, not at all spinose; distinctly striate, external striæ more evidently punctured than those near the suture; interstices more or less convex, finely punctured near the base, but becoming quite rugose a short distance from it.

*Prosternum* finely and distantly punctated, its flanks more remotely, and with two or three impressions similar to those above. *Abdomen* finely punctured; coxal lamina with a small but distinct indentation only.

*C. reversa* is its nearest ally.

Length,  $7\frac{3}{4}$ ; breadth,  $2\frac{1}{8}$  lines.

Mount Arthur. Mr. G. V. Hudson; one example.

### Exœolus.

#### *Nov. gen.*

*Forehead* horizontal, feebly emarginate in front, without distinct margin in the middle, lateral margins oblique and slightly raised; it overhangs the extremely short, almost invisible, *clypeus*, which cannot be seen unless looked at from the front. *Labrum* well developed, nearly vertical, with a deep basal suture. *Antennæ* stout, filiform, elongate; implanted just below the sides of the forehead, without well-marked cavities. *Palpi* short, terminal joint narrow, subsecuriform. *Eyes* moderately large, not very prominent. *Thorax* subquadrate, hind angles obtuse, hardly at all divergent, fitting into a small cavity below the shoulder; it is without distinct lateral margins. *Prosternum* convex, with oblique sutures; chin-piece very broadly rounded in front, transversely impressed. *Process* of prosternum a little raised between the coxæ; the saltatorial mucro deflexed, somewhat tapering, yet not at all slender. *Mesosternal cavity* rather broad, of triangular form, the margins between the

coxæ a little elevated and thickened; it reaches the well-marked intercoxal suture. *Metasternum* rather short. *Coxal lamina* not notched, the trochanteral portion strongly developed, beyond this it is very much narrowed, becoming quite obsolete near the side. *Tibia* distinctly bispinose at the apex; posterior tarsi elongate, the basal joint equalling the following three in length, fourth joint small, simple.

The chin-piece is less prominent than in *Cryptohypnus*, and the coxal lamina is not so abruptly contracted towards the side. The almost entire absence of the usual margin at the side of the thorax is a distinctive character.

2013. **E. rufescens**, *n.s.* *Subparallel*, slightly convex, a little nitid; clothed with short but distinct greyish hairs; of a chestnut-red colour; the antennæ, legs, and coxæ yellow.

*Head* rather closely and moderately punctured, with a well-marked interocular depression. *Antennæ* scarcely serrate, barely reaching the base of the thorax; basal joint curvate; second slightly longer than third, these, together, rather longer than fourth; fifth shorter than the preceding one; pubescence distinct. *Thorax* about as long as broad, rounded near the front; posterior angles rather short, not directed outwards; it is convex, with two large rounded impressions near the middle, it is rather distantly and not very regularly punctured. *Scutellum* finely punctate. *Elytra* wider behind than at the shoulders, apices obliquely rounded towards the suture; their striæ are impunctate, and irregular behind; interstices broad, distinctly punctured and slightly rugose.

*Prosternum* finely and distantly punctured. *Metasternum* with a narrow longitudinal groove in front, becoming transformed into an extremely narrow, almost obsolete, carina behind.

♀. Length,  $4\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Dunedin (Flagstaff Hill). Mr. T. Chalmer was kind enough to send me two examples, both females, from one of which the generic characters have been taken.

2014. **E. punctatus**, *n.s.* *Subparallel*, widest near posterior femora, slightly nitid, clothed with short, distinct, yellowish hairs; infusate-red, sides of thorax piceous, coxæ and legs yellow, antennæ more rufescent.

*Head* closely and distinctly punctured. *Thorax* a little narrowed near the front, about as long as broad; hind angles rather short and thick, hardly at all divergent; there is a dorsal groove which is more feebly impressed in front than it is behind, the surface is rather closely but not coarsely punctated. *Scutellum* finely punctate. *Elytra* narrowed towards the base, and also behind the hind legs; distinctly striate, striæ impunctate; interstices broad, punctate, almost rugose.

Male. *Antennæ* scarcely serrate, reaching backwards as far as the hind thighs; second and third joints short, together slightly shorter than the fourth.

The chin-piece is much shorter than it is in *E. rufescens*.

♂. Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Dunedin (Flagstaff Hill). One specimen; Mr. T. Chalmer.

2015. **E. obsoletus**, *n.s.* Differs from *E. punctatus* as follows: *Antennæ* reaching intermediate femora, third joint slightly shorter than second, both, together, a little shorter than fourth. *Thorax* slightly constricted near the anterior angles, widest near the front, posterior angles more divergent. *Elytra* rather feebly striate, especially behind, where, indeed, the striæ become indistinct and irregular, interstices more evidently punctate and rugose.

♂. Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Dunedin (Flagstaff Hill). Mr. T. Chalmer; one individual only. It is a strange circumstance that four specimens, taken during one day at the same place, the only members of the group that were seen, should, on examination, prove to represent three distinct species of an easily-recognised new genus.

### Monocrepidius.

2016. **M. maritimus**, *n.s.* *Elongate*, subparallel, clothed with fine yellowish hairs; thorax and antennæ rufo-testaceous, elytra castaneous, legs pale-yellow.

*Head* closely and finely punctured. *Antennæ* nearly two-thirds of entire length of body; third joint hardly longer than second, both short. *Thorax* gradually narrowed towards the front, about as long as it is broad, basal angles carinate above, somewhat divergent; its surface densely and finely punctured. *Elytra* distinctly punctate-striate throughout, interstices finely punctate, apices individually rounded.

*Underside* pale-chestnut, finely punctured and pubescent.

This rather bright-looking species is very different from *M. exsul*.

♂. Length,  $4\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Mokohinui Island. Mr. Sandager, who sent me two specimens, informs me that they were found during October, on the ground, near the sea, and that they are nocturnal and short-lived.

### Silene.

*Nov. gen.*

*Forehead* nearly horizontal, very obtusely curvate, with well-defined, smooth, but not raised, frontal margin, overhanging (or projecting) the *clypeus*, which in the middle is very short, but at the sides is longer. *Labrum* vertical, with a deep basal suture. *Antennæ* inserted in small cavities; moderately serrate, second and third joints short. *Prosternum* convex along the middle, with well-marked oblique sutures; broadly rounded in the middle, in front, and with two transverse impressions, the one near the apex the larger: its *process* nearly horizontal, elongate, and acuminate. *Mesosternal cavity* narrow, deep, almost parallel-sided, extending to the well-defined intercoxal suture, with narrow raised borders.



*Coxal lamina* well developed, the trochanteral portion larger than in *Thoramus*, but with the femoral portion smaller. *Tarsi* moderately slender, basal joint of the posterior as long as the other four taken together, penultimate very short above, distinctly lamellate underneath.

This genus is allied to *Monocrepidius*.

2017. **S. brunnea**, *n.s.* *Subparallel*, slightly glossy, densely clothed with fine, short, yellowish hairs; reddish-brown, apex and hind angles of thorax paler; legs testaceous, antennæ rufo-testaceous; underside closely and finely punctate and pubescent, rufo-castaneous.

*Head* closely and moderately coarsely punctured. *Antennæ* rather slender, their tenth joint reaching backwards to the thoracic angles; third joint slightly longer than second, both short, and, together, about one-third shorter than the fourth; joints 4-10 slightly serrate, eleventh with an ill-defined false terminal joint. *Thorax* slightly longer than broad, convex, gently narrowed in front of the middle, nearly straight behind; posterior angles stout, ridged above, directed backwards; its punctuation moderately close, but rather finer than that of the head. *Scutellum* densely and finely punctate. *Elytra* a little wider behind than at the base, apices obliquely rounded and somewhat raised; they are distinctly and regularly striate throughout, the striæ with rather elongate but not closely-placed punctures; interstices with numerous fine punctures, appearing rugulose.

In general appearance somewhat similar to *Exæolus rufescens*, but at once differentiated by possessing distinct lateral thoracic margins.

Length,  $4\frac{3}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Howick. One individual only, probably a female.

## GENUS OF DOUBTFUL POSITION.

### Byrr cryptocryptus.

*Nov. gen.*

*Body* elongate-oval, moderately convex. *Antennæ* about as long as the body, 11-articulate, joints 3-10 inwardly serrate; they are implanted on the forehead just before the front and inner margin of the eyes; there are no distinct fossæ. *Eyes* rotundate, very prominent, quite lateral, free, finely faceted. *Labrum* large, prominent, separated from the forehead by a short membranous space. *Mandibles* but little exposed, bifid at apex. *Palpi* short, with securiform terminal joints, that of the labial broader than the maxillary. *Head* small, exserted, without evident genal lines. *Thorax* much narrowed and depressed towards the front, bisinuate at base, finely margined laterally. *Elytra* a little broader than the thorax, nearly four times its length. *Legs* elongate, simple; tibiæ bispinose at the extremity; *tarsi* elongate, filiform, joints 1-4 decreasing, fourth

short, entire, not expanded and without membranous appendage, fifth longest; claws well developed. *Prosternum* not reduced, its flanks marked off by raised sinuous sutures; its process narrow, acuminate, not extending beyond the coxæ. *Mesosternum* plane, not emarginate in front. *Metasternum* moderate, its intercoxal suture distinct. *Abdomen* with five segments, and a small supplementary anal segment, the basal appearing very short in the middle. *Coxæ* large and prominent, elongate, the front and intermediate distinctly but not widely separated, the posterior larger (longitudinally) than in *Atopida* and its allies.

This genus is remarkably distinct, and should, I think, be placed between the *Elateridæ* and the *Dascyllidæ*. The specimen at my disposal does not permit a careful examination of the mentum, &c.

2018. **B. urquharti**, *n.s.* *Castaneo-fuscous*, a little shining; the legs, coxæ, and two basal joints of the antennæ testaceous; remaining joints, and the tarsi, somewhat infusate; pubescence dense, fine, yellow.

*Head* small, transversely impressed between the eyes. *Antennæ* pubescent, basal joint thick and rather short; second small, barely half the length of the third, which is about as long as each of the following seven; these serrate inwardly but not prolonged at the extremity. *Thorax* convex, one-third broader than long, considerably narrowed anteriorly; front angles depressed, indistinct, the lateral margins becoming vague in front; base widely bisinuate; the sides curvate, so that the posterior angles, though acute, are not in the least divergent or projecting; its surface is moderately distantly and finely granulated. *Scutellum* rather large, subcordate, with a deep notch in front, finely granulate. *Elytra* not much broader than the thorax, a good deal narrowed apically; their striæ rather broad and shallow, not very regularly impressed; the interstices, near the base, minutely and distantly granulate, the sculpture becoming closer behind. *Legs* with rather coarse short hairs; tarsi nearly as long as the tibiæ.

*Underside* fuscous, pubescent; middle of prosternum, in front, finely transversely strigose, the flanks granulate; metasternum convex, grooved behind; abdomen minutely granulate; epipleuræ of moderate width.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Mount Te Aroha, Thames. Named in honour of its discoverer, Mr. A. T. Urquhart.

## Group—DASYLLIDÆ.

### Amplectopus.

*Nov. gen.*

(*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 403.)

*Corpus* parvum, ovale; *caput* subtus inflexum; *antennæ* parvæ, undecim articulatæ, articulis quatuor basalibus majoribus, laxè articulatis, articulis 5–10 perbrevis. *Prosternum* nullum; *meso-*



*sternum* grande, coxis intermediis sat distantibus; *metasternum* sat grande, utrinque antè ad pedum intermediarum receptionem profunde impressum. Coxæ posteriores intus magnæ, a sutura recta arcte conjunctis.

The minute insect forming this very distinct genus will be readily recognised by the peculiar antennæ, and the fact that the inflexed and retracted *head* is in contact with the *mesosternum*, which as thus exposed bears a remarkable resemblance in form and position to the prosternum, as seen in many Coleoptera. I have only a smashed example at my disposal for ascertaining the characters, and am unable to see the parts of the mouth; the small anterior part of the head is prominent, but the *mandibles* are apparently covered by the labrum, and no *palpi* are visible; the *eyes* are of moderate size, and the antennæ are inserted between the eyes; the space between the eye and the base of the mandible forming a deep depression for the reception of the base of the antennæ in repose. The anterior *coxæ* are transverse, and are attached by the base to the infolded side of the pronotum, but I cannot detect any prosternum either in front of them or between the tips; the femur is rather widely separated from the coxa by the interposed trochanter, and the tibia is dilated externally near the tip, the minute tarsus being protected by being folded backwards and placed in close apposition with the tibial dilatation. The *mesosternum* is placed on the same plane as the *metasternum*, and extends, in an example in the position of contraction, quite visibly on either side in front of the middle coxæ; this is rather large and has a visible trochanter. The front outer angle of the *metasternum* is occupied by a deep depression for the contracted middle leg, and there is a minute appendage to the larger depression for the accommodation of the tarsus. The hind coxæ are transverse, their inner margins are closely interconnected, and their outer portion is deeply impressed, as in the *Elateridæ*, for the accommodation of the femur; there are five ventral *segments*, the basal one showing a deep depression on either side for the reception of the contracted tibia. The hind *tarsi* are small, five-jointed, the four basal joints small, but the first of them rather larger than the following, the fourth is emarginate above for the reception of the small terminal joint. I do not detect any tibial spurs.

There can be no doubt that this little insect should be placed amongst the Dascillidæ, though it does not appear to be allied to any of the known forms of that family; it has, however, considerable affinity with *Chelonarium*; and, though this genus is at present located by systematists in the Byrrhidæ, it certainly should be transferred to the Dascillidæ, so that this affinity does not, in my opinion, invalidate the position I propose for *Amplectopus*.

2019. *A. ovalis*, n.s. (Sharp; Trans. Roy. Dub. Soc., 1886, p. 404.) *Ovalis*, sat convexus, pallide brunneus, pubescentia depressa, pallida, minus dense vestita, antennis articulis 4-11 nigris; haud dense, fere obsolete punctatus.

Long., 2mm.



*Antennæ* with stout first and second joints; third joint also stout, but articulated to the second joint by an extremely slender base; fourth joint larger than those following, which are very minute, the ninth and tenth being, however, broader than the others, and strongly transverse; terminal joint rather short and broad, nearly as long as the two preceding together. *Thorax* twice as broad as long, base very closely connected with the elytra. *Scutellum* triangular, rather large. *Elytra* almost without sculpture, closely embracing the hind-body, their hind margin obliquely subtruncate, a little incrassate, and minutely directed upwards.

This very obscure but very interesting little beetle was detected at Greymouth by Mr. Helms some years ago, but only in a single example, which I sent back to him after examination, and I have now received two other examples from him.

### **Cyphanus** (Gen., p. 308).

2020. **C. dubius**, *n.s.* *Suboblong*, slightly glossy, densely clothed with fine yellowish hairs; castaneous, the thorax and basal region of the elytra more or less rufescent, legs, antennæ, and lower surface chestnut-red.

*Head* large, moderately coarsely but not deeply punctured. *Antennæ* elongate, second joint short, third scarcely half as long as fourth. *Prothorax* strongly transverse, base and apex sinuated towards the sides, these latter explanate and but little curved; its angles obtuse; its punctation is finer than that of the head. *Elytra* subcostate, densely, distinctly, and somewhat rugosely punctured.

This species is rather dark in colour and bears conspicuous pubescence. The prosternal process, though hastate, is not acutely prolonged behind. The intermediate segments of the abdomen have distinctly membranous sutures.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{5}{8}$  lines.

Found on the Waitakerei Range and in the vicinity of Howick.

2021. **C. scaber**, *n.s.* *Oblong*, subovate; dark rufo-castaneous, head dark-red, legs red, tarsi and antennæ testaceous-red; not shining, covered with yellow hairs, these are most conspicuous behind, some of those on the thorax are very fine and silky, others seemed disposed to form patches.

*Head* broad, much dilated behind the eyes, its punctation fine and dense; labrum much exposed, deeply emarginated. *Antennæ* moderately elongate, rather slender, third joint almost as long as fourth. *Thorax* transverse, its angles obtuse, sides a little curved; the disc transversely convex, with a gradual slope outwards so that the sides do not appear explanate, its punctation fine but dense. *Elytra* elongate, not broader than thorax at base, widest in line with hind thighs, from thence a good deal rounded apically; densely and finely punctured, slightly uneven, there being, on each, three or four indistinct basal striæ or impressions. *Legs* normal, tibial spurs well developed.

A curious but veritable *Cyphanus*, comparatively rough-looking, an appearance due to the pubescence as well as the sculpture. The punctation is actually finer than in the typical species, but the interstices, especially on the wing-cases, are not broad and smooth but appear as if minutely asperate. The large size, distended cheeks, long third antennal joint, convex thorax, and thick palpi will enable it to be identified with certainty.

Length, 4; breadth,  $1\frac{3}{4}$  lines.

One, found at Tairua, 1865.

### Cyphanodes.

*Nov. gen.*

This genus is instituted for the reception of species which differ from *Cyphanus* as follows:—

*Form* more oviform; *thorax* not distinctly explanate laterally. The interantennal portion of the *head* more extended forwards, this part is widely incurved in front, so that the lateral portions appear more or less angulated; the frontal membranous space is larger, and the labrum is more exposed, though similarly emarginate. The *prosternal process* is broad and not at all acutely produced behind. *Labial palpi* furcate, as is the case in *Cyphanus*.

2022. **C. vestitus**, *n.s.* *Castaneous*, legs and antennæ chestnut-red; clothed with depressed yellowish hairs; the disc of the thorax, the middle of the basal half and the posterior portion of the elytra, usually nearly nude; body somewhat convex, not narrow, rather oviform.

*Head* broad, yet rather narrower than thorax, closely and moderately coarsely punctured. *Antennæ* elongate, basal joint thick, second very short, third slender, about half the length of the elongate fourth joint. *Prothorax* strongly transverse, margined and nearly straight laterally, all the angles obtusely rectangular, base bisinuate, the apex also sinuous towards the sides; its sculpture rather finer than that of the head. *Elytra* indistinctly tricostrate, depressed before the middle; densely punctate, more finely behind than elsewhere, the sculpture of the discoidal portion subgranular.

*Under side* often darker than the upper, and more finely, but more densely, sculptured and clothed.

Length,  $3\frac{1}{4}$ ; breadth, quite  $1\frac{1}{2}$  lines.

Four individuals were found on the Waitakerei Range.

### Atopida.

2023. **A. dorsale**, *n.s.* *Elongate*, subdepressed, moderately shining; testaceous, the elytral suture and last five joints of the antennæ pitchy-brown, clothed with rather long, almost upright, greyish hairs.

*Head* large, nearly as broad as thorax, distinctly yet neither coarsely nor closely granulated; labrum exposed, and emarginate at

apex. *Thorax* strongly transverse, narrowed behind, its sides more or less crenate, its granules as obvious as but more distant than those on the head. *Elytra* moderately coarsely and closely, almost rugosely, punctured, their pubescence conspicuous. *Antennæ* elongate, third joint intermediate between the second and fourth as regards size.

*Underside* more or less dusky, more finely clothed than the upper surface.

This species comes near *A. testacea*, having the head and thorax similarly sculptured; in both species the lateral margins of the thorax are subcrenate.

Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Elmont. Elevation about 3,000ft.

OBS.—Whilst working at this and other allied species I had occasion to make a critical examination of the characters assigned to White's genus *Atopida* by Dr. Sharp. Dr. Sharp's diagnosis is very misleading. In his description of the genus *Cyphanus* he states (page 309), "This is the only group of New Zealand species having the labial palpi furcate." Again, at page 312, when describing *Atopida*, he states, "Labial palpi very small and not furcate;" and, further on, "but as the remarkable labial palpi of the *Cyphanus* group strongly differentiate it." I first of all examined the rather large species *Atopida browni*, and, having satisfied myself as to the real structure of the labial palpi, I proceeded to do the same with *A. lawsoni*, *A. testacea*, and *A. hirta*. I found that the actual structure is exactly the same in all these species, as well as in *A. dorsale*, so that the description given by Dr. Sharp must be materially modified. The following will truly express the necessary correction:—

*Labial palpi* distinctly furcate, the terminal joint being articulated near to the base of the penultimate, so as to be almost at right angles to that joint.

In those species which bear granules on the head or thorax there is a puncture in each granule, sometimes small, in other cases large.

### Mesocyphon.

2024. *M. pallidus*, n.s. *Oviform*, not narrow, subdepressed; head and thorax rufo-testaceous, slightly glossy, scantily clothed with long, slender, yellowish hairs; elytra opaque, testaceous, densely covered with short brassy hairs; palpi blackish, legs and antennæ testaceous, sometimes a little infuscate.

*Head* not so broad as thorax, its sculpture indefinite, appearing either punctate or finely and distantly granulate according to the light and position in which it is examined. *Antennæ* stout, not short, third joint longer than second, but shorter than fourth. *Prothorax* transverse, bisinuate at base, much more feebly in front, posterior angles nearly rectangular but not acute, sides slightly curved, front angles obtuse; its sculpture rather finer than that of



the head. *Elytra* broader than thorax, yet not much broader at the base, widest behind, closely punctate.

*Underside* finely pubescent, sternum testaceous, abdomen infusate. *Femora* robust, *tibiæ* straight, their apical spurs distinct.

An easily-recognised species. The only variegation on the wing-cases consists of an ill-defined dark apical space, which, moreover, is often altogether wanting. The elytral clothing, except under a strong lens, appears to consist of fine brassy setæ.

Length, 2 lines; breadth,  $\frac{7}{8}$  line.

Mount Arthur. Cheeseman and Adams.

2025. **M. laticeps**, *n.s.* *Elongate*, not broad, subdepressed, a little nitid; head and thorax rufo-castaneous, not densely covered with yellowish hairs; *elytra* fusco-testaceous, variegated with darker marks, densely clothed with short, pale hairs; antennæ, in colour, like the head, terminal joints occasionally darker; legs testaceous, maxillary palpi blackish.

*Head* broad, somewhat inflated behind the prominent eyes, so sculptured as to seem finely granulate, with a puncture in each granule. *Antennæ* stout, not very elongate, third joint shorter than fourth but longer than second. *Thorax* sculptured in the same way as the head, short, apex more feebly sinuous than base, sides slightly rounded, none of the angles prominent. *Elytra* broader than thorax, not very much so at the base, broadest between the hind thighs yet not very much dilated even there, indistinctly depressed before the middle; closely and finely punctate. *Legs* stout, *tibiæ* straight. *Underside* infusate.

The rather large head (somewhat flattened between the eyes), rather slender palpi, and much less obvious granular sculpture distinguish this species from *M. monticola* and *M. granulatus*, both of which are, moreover, somewhat larger.

In one example the wing-cases are quite unicolorous; in another they are variegated with fuscous marks similar to those seen in *M. niarmoratus*. There is a variety in which the head and thorax are infusate and the former unimpressed; these differences are accompanied by a still greater variegation of the elytra, and these darker portions are due to the colour of the derm itself as well as to the variegation of the pubescence.

Length,  $1\frac{3}{4}$ –2 lines; breadth,  $\frac{3}{4}$ – $\frac{7}{8}$  line.

Evidently a common species on Mount Arthur, from whence numerous examples were brought by Messrs. Cheeseman and Adams.

These gentlemen also found some specimens of *M. divergens*, some of which are so dark in colour that the elytra may be described as being dusky-brown marbled with pale-brown, whilst the legs and lower surface are equally dark.

*Cyphotelus angustifrons* is another desirable species obtained in the same locality. It is a rather elongate, parallel-sided insect, sometimes wholly black, sometimes testaceous, and having the appearance of a narrow *Atopida*.

**Cyphon** (Gen., p. 318).

2026. **C. pauper**, *n.s.* *Subovate*, moderately broad, very little shining, densely clothed with yellowish hairs; obscure-ferruginous, sometimes a large part of the hind-body more or less smoky-brown, antennæ and legs testaceous; underside brown.

*Head* rather large and nearly as broad as the thorax, moderately closely and distinctly punctate-granulose. *Antennæ* moderate, third joint slender, elongate, not quite so long as fourth, which exceeds the fifth and following ones in length. *Prothorax* short, with two oblique depressions before the base, its sides slightly rounded, anterior angles rectangular, posterior obtuse, sculptured in the same way as the head. *Scutellum* minutely granulate. *Elytra* broader than thorax, transversely depressed before the middle, rugosely sculptured, but not distinctly granulate near the base, the rest of their surface punctate.

This species, owing to the absence of the subocular line, rough genal space, and distinctly-granulated head and thorax, is nearly allied to *C. parviceps* and *C. signatus*. The thoracic depressions are constant. There is a minute puncture in each granule.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Messrs. Cheeseman and Adams found seven examples on Mount Arthur.

2027. **C. discedens**, *n.s.* *Subovate*, moderately broad, slightly glossy, covered with fine pale hairs, smoky-brown, elytral disc and apices suffused with dull-testaceous, legs and antennæ testaceous.

*Head* rather large, about as broad as thorax, finely and distantly granulated. *Antennæ* moderate, third joint slender, nearly as long as fourth, fifth much shorter than the preceding one, joints 6-9 about as long as broad, submoniliform. *Thorax* small, its angles blunt, finely and distantly granulated. *Elytra* large, broader than thorax at base, indistinctly impressed before the middle; moderately finely punctured.

Very much like *C. trivialis*, only a little larger, the granulation of head and thorax not so close.

Length, 1; breadth,  $\frac{1}{2}$  line.

Three specimens; collected by Messrs. Cheeseman and Adams on Mount Arthur.

2028. **C. flavescens**, *n.s.* *Oblong-oval*, almost convex, covered with fine yellow hairs; rather shining, except an infusate mark near the extremity of each elytron, which, however, is often wanting, flavo-testaceous.

*Head* moderately broad, very finely granulate. *Thorax* very transverse, sides slightly curved, angles obtuse, finely and distantly granulate. *Elytra* not impressed, at the base of the same width as thorax, moderately finely and closely punctated. *Antennæ* not elongate, second joint oblong-oval; third half as long as fourth, not very slender; fourth longer than fifth, not elongate yet perceptibly

longer than broad; the others rather short, joints 5-7 subobconical, each a little longer than broad.

In this species the genal space is nearly smooth, and there is no subocular line. The body is of an almost uninterrupted oblong-oval shape. The pubescence, being of nearly the same hue as the derm, is not very conspicuous.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{5}{8}$  line.

From the same locality as the two preceding species. Four individuals.

2029. **C. nigrutilus**, *n.s.* *Ovate*, broad, convex, sparsely clothed with slender and coarser greyish hairs; shining, blackish, mandibles and second and third joints of the antennæ fusco-rufous, legs fuscous, tarsi testaceous.

*Head* large, broad, yet narrower than thorax, finely and remotely granulated. *Antennæ* moderate, third joint slender, slightly longer than second, shorter than fourth. *Thorax* almost equalling the shoulders in width, posterior angles obtuse, anterior rectangular, more or less obviously bi-impressed, its sculpture even finer and more distant than that of the head. *Scutellum* similarly marked. *Elytra* depressed behind the base, large, distinctly punctate, more finely behind.

The subocular carina is absent or obsolete, and the genal space is shining and almost quite smooth. The granules are often difficult to detect, especially on the thorax. *C. æthiops* is black, but the elytra are not impressed. *C. laticollis* is oblong-oval.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$ — $\frac{7}{8}$  line.

Mount Arthur, four specimens; Otira Gorge, Canterbury, two.

2030. **C. fuscifrons**, *n.s.* *Oviform*, not depressed, somewhat shining, clothed with fine pale hairs, elytra and sides of thorax testaceous, the rest of the thorax and the head pitchy-brown.

*Head* rather short, much narrower than thorax, very finely and distantly granulated. *Antennæ* short, third joint quite as long as second but shorter than fourth, these joints dark-testaceous, the others broken off. *Thorax* very transverse, narrowed anteriorly, sides a little rounded, front angles obtuse and depressed, the posterior not acute, rectangular; its sculpture like that of the head. *Scutellum* triangular, finely granulated. *Elytra* very large, of about the same width as thorax at base, rather finely punctured; sometimes tinged with brown posteriorly, but distinctly variegate.

A large, easily-recognised species, very oval, and without subocular line.

Length, 2; breadth,  $1\frac{1}{2}$  lines.

Mount Arthur. One individual only.

2031. **C. fulvicornis**, *n.s.* *Subopaque*, covered with short, conspicuous, brassy hairs; chestnut-red, but with a large apical space on each wing-case dusky-brown; legs and antennæ fulvescent.



*Head* rather large, yet narrower than back part of thorax, densely punctate-granulose; eyes rather convex, distinctly faceted. *Antennæ* moderate, third joint a little shorter but much more slender than the contiguous ones, joints 4-6 each rather longer than broad. *Prothorax* transverse, its sides nearly straight, all the angles rectangular but not pointed, its sculpture similar to that of the head. *Scutellum* granulate. *Elytra* impressed before the middle, suture elevated, more or less evidently granulated near the base, the rest of their surface punctate.

Although broader than *C. signatus*, and differently coloured and clothed, the two are, undoubtedly, nearly related. The subocular line is absent, and the genal space is asperate. The granulation is distinct, and there is a minute puncture in each granule.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Arthur. One example only.

2032. *C. ornatus*, *n.s.* *Convex*, broad; nitid, densely covered with fine, depressed, ash-coloured hairs, but having also on the wing-cases a curved apical, and two other very irregularly formed fasciæ, composed of silvery hairs; body black, three basal joints of antennæ rufescent, the other joints, and all but the paler terminal joint of the palpi, fuscous; legs rufo-fuscous, tarsi paler.

*Head* large and broad, but not so wide as the base of thorax; its sculpture indefinite, appearing minutely granulate or punctate according to the light in which it is viewed, invariably minute and very distant.

*Antennæ* stout, third joint slender, barely more than half the length of the elongate fourth joint. *Prothorax* as broad as elytra at base, narrowed anteriorly, sides scarcely curved, its angles blunt, base and apex much sinuated towards the sides, its sculpture ill-defined. *Elytra* large and broad, each elytron with an oblique or curved impression near the scutellum, this is prolonged backwards close to the suture, so as to appear furcate; they are finely punctate, quite obsoletely behind.

The best-marked species of the group. The white elytral fasciæ are distinctive. The genal space is broad, smooth, and shining, and bears no elevated line.

In one example the body may be said to be of a variegated-castaneous colour.

Length,  $1\frac{3}{4}$ -2; breadth,  $1\frac{1}{8}$ - $1\frac{1}{4}$  lines.

My two specimens were found on the Waitakerei Range and near Tuakau.

2033. *C. variegatus*, *n.s.* (*Sharp; Trans. Ent. Soc.*, 1882, p. 87.) *Latus*, sat convexus, subrotundatus, nitidus, parcius subtiliter pubescens, testaceus, capite thoraceque rufo-testaceis, elytris nigro-signatis, antennis ultra medium fere nigris.

Long.,  $3\frac{1}{2}$  mm.

*Antennæ* rather short, the four or five basal joints yellow, the others darker, the terminal ones being nearly black; third joint very small and slender; fourth distinctly longer than the following; fifth to tenth differing very little from one another. *Head* broad, distinctly pubescent, but scarcely punctate. *Thorax* considerably narrower than the elytra, pubescent, and indistinctly sculptured like the head. *Elytra* with a distinct punctuation, the punctures moderately close, quite distinct and definite at the base, becoming obsolete towards the apex, and with a rather elongate pubescence, of a yellowish colour, marked with a basal transverse black fascia, a common mark on the middle, which extends backwards along the suture; and unites with an oblique apical mark that encloses a pale space on the outside near the apex of each wing-case. *Underside* and legs yellow.

The marks on the elytra are often very conspicuous, but sometimes are nearly or quite absent, the basal ones disappearing first.

The species is closely allied in its structure to *C. æqualis*, Sharp. Grey mouth. Helms.

## Group—LYCIDÆ.

### Metriorhynchus.

2034. *M. erraticus*, *n.s.* *Elongate*, subdepressed, subopaque; clothed with fine hairs and setæ corresponding in colour with the parts on which they are placed; elytra red, the rest of the body, and the limbs, black, the head and thorax shining.

*Head* elevated in front, behind this raised space flattened or depressed. *Antennæ* half the length of the body, joints 2–10 prolonged at inner extremity. *Thorax* one-fourth broader than long, the sides medially narrowed, obliquely widened behind, posterior angles nearly rectangular, in front of the middle the sides are nearly straight; apex strongly rounded, base deeply bisinuate; there are seven more or less angulate depressions, occupying the whole surface; four in front, the two inner ones slightly asperate, the basal two largest, the central one extends from the basal margin as far forward as the middle of the frontal ones, and is diamond-shaped. *Scutellum* black, deeply emarginate behind. *Elytra* with five costæ on each, the external quite lateral and uniting with the raised suture at the apex; between these costæ there are double series of transverse punctiform impressions; they are covered with slender, elongate, hair-like, red scales. *Legs* compressed, tibiæ curvate; fourth joint of the tarsi broad, broadly excavate above, fifth narrow; claws castaneous, angulate at base. The elytra are not closely applied to each other, so that an evident sutural gap exists.

Length,  $5\frac{1}{2}$ ; breadth,  $1\frac{1}{2}$  lines.

Drury, Pokeno, and Clevedon, south of Auckland. The insect may prove to be an importation, but I have not seen any like it from Australia or Tasmania.

## Group—TELEPHORIDÆ.

## Asilis.

*A. colorata*, *n.s.* *Elongate*, depressed, slightly nitid; the thorax, two basal joints of the antennæ, and most part of the legs testaceous; the tarsi, basal half of femora, and extremity of tibiæ infusate; the rest of the body and antennæ blackish.

*Head* very smooth, its punctation very fine and indistinct. *Thorax* transverse, margined, its lateral margins raised and thickened but ending abruptly behind, thus leaving a short sinus or notch just before the posterior angles, apex widely rounded; its punctation fine and distant; it is clothed with fine yellow hairs. *Elytra* elongate, widest behind; their sculpture dense, rugose, consisting apparently of minute granular elevations and punctures.

*Underside* nearly black, clothed with cinereous hairs. Front and middle *coxæ* elongate, contiguous, the hind pair broader and shorter and almost touching each other. *Sternum* with a large, deep, triangular cavity in front reaching the middle *coxæ*, the sides of this excavation broadly margined and yellowish. *Metasternum* raised nearly in the form of a crescent in the middle. *Epipleuræ* broad, densely and rather coarsely sculptured. Three basal segments of *abdomen* transversely concave.

Length,  $2\frac{1}{4}$ – $2\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$ –1 line.

Northcote and Howick. Three examples.

OBS.—The name *Aclytia* (page 326) having been used before, *Asilis* is substituted. The genus *Asilis* includes Nos. 591, 592, &c. In *A. fulvithorax* the head bears numerous wrinkles, in *A. colorata* there are none, besides which the forehead is more produced and plane.

## Group—MELYRIDÆ.

## Dasytes.

2035. *D. helmsi*, *n.s.* (*Sharp; Trans. Ent. Soc.*, 1882, Part i., p. 66.) *Elongatus*, angustulus, postice latior, opacus, supra purpureo-niger; subtus niger, violaceo-tinctus; antennis nigris; supra tenuissime pubescens, elytris crebrius parum argute punctatis.

Long., 6mm.

*Antennæ* extending quite to the hind margin of the thorax, black, a little thickened towards the extremity, the penultimate joint not twice as long as broad. *Head* rather elongate, about half as broad as the wing-cases, narrowed behind the eyes. *Thorax* nearly as broad as long, much constricted in front, the basal and lateral margins very distinct, but the latter becomes indistinct at the anterior constriction or impression, the surface very indistinctly punctured and finely pubescent. *Elytra* closely and rather finely punctate, but the punctuation indistinct, although somewhat rugulose; the pubescence very indistinct. Legs long and slender, nearly black above, deep-blue beneath.



Although very different in colour from *D. wakefieldi*, it is in form, and probably in structure, closely allied thereto.

Greymouth. Helms.

2036. **D. oreocharis**, *n.s.* *Elongate*, narrow, slightly dilated posteriorly; clothed with minute grey setæ; head and thorax blue, subopaque; elytra also bluish but tinged with green, and moderately shining; legs blackish, sometimes greenish; antennæ, tarsi, labrum, and palpi quite black.

*Head* elongate, half the width of the hind-body, narrowed behind the eyes, its anterior portion not elongate, with excessively dense and fine sculpture. *Antennæ* scarcely serrate, as long as head and thorax; second joint very short, third longer than fourth. *Prothorax* quite as long as broad, much contracted in front, so that the sides appear as if angularly dilated near the middle, basal and lateral margins fine but less distinct in front, hind angles rounded, its sculpture similar to that of the head. *Scutellum* subquadrate. *Elytra* rather finely and closely punctured, and somewhat rugulose. *Legs* long and slender, posterior tarsi equal to the tibiæ in length; claws castaneous, appendiculate.

About equal, as regards size, to *D. wakefieldi* and *D. helmsi*, but, judging from their descriptions, narrower and otherwise different.

Length,  $3-3\frac{1}{4}$  lines; breadth,  $\frac{7}{8}-1$  line.

Taken on Mount Arthur by Messrs. Cheeseman and Adams.

## Group—CLERIDÆ.

### Parmius.

2037. **P. rugosus**, *n.s.* *Elongate*, narrow, subdepressed; sparingly clothed with greyish-yellow hairs; shining, head and thorax violaceous, head redder than thorax; elytra castaneous, tinged with purple; palpi and antennæ testaceous; legs chestnut-red.

*Head* as broad as hind-body, fulvescent in front, with two interocular, somewhat convergent, impressions, and with some fine punctures near the eyes. *Antennæ* short, their ninth joint not much narrower than the tenth. *Thorax* cylindric, dilated medially, slightly depressed transversely near the front and base; there are two distant foveæ behind the middle, and a few scattered obsolete punctures. *Elytra* narrow, widest behind, humeral angles distinct, they are very indistinctly striate, and, especially behind, feebly rugose, their apices broadly rounded.

Comes near *P. longipes*; more elongate, differently sculptured and coloured.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Taieri, Otago. One example, from Mr. S. W. Fulton.

## Group—PTINIDÆ.

## Cyphanobium.

*Nov. gen.*

*Body* short, broad, and convex, like a convex Cyphon. *Head* moderate, broad, greatly inflexed. *Eyes* large and prominent, with a small triangular notch or impression in front. *Palpi* small, terminal joint securiform. *Antennæ* 11-articulate; basal joint large and thick, excavated in front and along the external side; second moderately stout; joints 3–8 small and slender; ninth and tenth elongate, each with a long bicurvate tooth or lobe directed inwards, nearly twice as long as the joint itself, these lobes proceed from the base and are curved in opposite directions; eleventh longer than tenth, considerably thicker, nearly straight on the outside but widely emarginated inwardly so as to appear sublunate. *Thorax* as broad as elytra at base, apex rounded medially but strongly sinuated laterally, the base too sinuate, the side forming merely an acute angle; in front, and underneath, deeply hollowed for the reception of the head. *Scutellum* small. *Elytra* oblong. *Legs* moderate, capable of being packed like those of the Byrrhidæ; tarsi short, basal joints largest, 2–4 very transverse. *Front coxæ* elongate; *middle coxæ* small, widely separated, the space between them unimpressed.

Fem. *Antennæ* smaller; ninth joint strongly produced inwardly, so that the tooth or lobe is larger than the joint; tenth large, triangular; eleventh oviform.

The type of the genus (No. 626, p. 343) is a remarkable creature, of which I now give a brief specific description:—

626. **C. illustris.** Piceous, a little nitid, covered with greyish hairs, legs piceo-rufous, tarsi rufo-testaceous, basal joint of antennæ red, remaining joints infusate or testaceous. The punctuation rather fine, that of the elytra somewhat irregular, being close on some parts but on others nearly absent, thus leaving ill-defined smooth spaces.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Tairua. One male and two females.

## Xenogonus.

2038. **X. obscurus**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 405.) *Subcylindricus*, sat elongatus, ferrugineo-brunneus, brevissime pubescens, elytris ad latera vage fusco-plagiatis.

Long., 3mm.

Covered with a dense, excessively minute pubescence of a pallid fuscous tint, not variegate, though a darker patch appears vaguely defined on each wing-case; this is probably due to some arrangement of the pubescence, as the position and shape of the darker patch vary according to the light and point of view. The *antennæ* and legs are ferruginous, the former largely developed, the fifth joint being broad as well as long, its width at the apex being, in fact, but

little less than its length; the other enlarged joints progressively diminish in width, the terminal joint being very slender and elongate. The *prothorax* is not quite so long as broad, slightly broader in front than at the base, the surface excessively finely sculptured, without elevations, and with only a slight simulation of conical elevation of the disc. *Elytra* with quite regular, close striæ, which are distinctly punctate.

Though Broun has described numerous species of *Xenogonus*, I cannot make this accord with any of his descriptions.

Bealey. Helms; four examples.

Obs.—Dr. Sharp redescribes the genus under the name *Perplectus*, *Xenocera* having been used before. I myself, however, altered the name to *Xenogonus* in May, 1882 (vol. i., p. 128, *N. Z. Journ. of Science*), so that his species must bear the name *Xenogonus obscurus*.—T. B.

## Group—OPATRIDÆ.

### Syrphetodes.

2039. **S. bullatus**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 407.) *Fuscus*, indumento ochraceo-brunneo vestitus; *prothorace* angulis anterioribus per-productis, margine anteriore medio tuberculato-emarginato; *elytris* convexis dorso tuberculis quatuor grossis instructis.

Long., 9mm.

*Antennæ* blackish. *Thorax* with the anterior angles very long, very acute, widely separated from the eyes; the sides bisinuate; the hind angles free, rectangular, very sharply defined. *Elytra* nearly twice as broad at the base as the base of the thorax, just behind the shoulder with a sharp tubercle directed outwards, causing the shoulders to look hamate; the disc provided with four very large elevations, and a pair of smaller acute tubercles between them and the base; the sides but little explanate; the lateral outline undulate near the outer margin, with seven or eight foveæ; *tibiæ* and tarsi blackish, the former spotted with pallid scales.

Greymouth. I received my example of this remarkable insect from Mr. Helms some years ago; it was the first example of the genus I had seen, and I thought it might be *S. marginatus*, Pascoe. Mr. Helms has, however, found recently a small series of a species at Picton which agrees much better with Pascoe's figure, and I have no doubt the Greymouth insect is new.

2040. **S. sylvius**, *n.s.* *Opaque*, nigro-fuscous; tarsi, palpi, and antennæ obscure-rufous; covered with small ash-coloured and ferruginous scales, the more brightly coloured scales predominate on the more elevated parts.

*Head* convex behind; eyes prominent, transversely oviform. *Antennæ* pubescent towards extremity, basal articulations with yellow setæ, fourth joint twice the length of the second. *Thorax* uneven, obtusely raised behind the middle; anterior angles very



prominent and acute; apex sinuously elevated at the middle; sides straight, but narrowed from the middle forwards, sinuously narrowed behind, posterior angles a little projecting; base with an excision near each side, so that the angles do not touch the elytra. *Scutellum* very transversal. *Elytra* nearly double the width of thorax, shoulders obtuse; sides explanate, each with about ten foveæ; dorsum with rows of moderate punctures, also two basal and four discoidal elevations, besides twelve on the summit of hind slope, two of which are considerably larger than the others; there are two on the slope itself; the apices are almost tuberculate, leaving a sutural gap; a raised space behind each shoulder terminates at the side, but is pointed upwards rather than outwards. *Femora* densely covered with yellowish scales, *tibiæ* scarcely spotted.

This does not exactly accord with the description and figure of the typical species. Dr. Sharp's *S. bullatus* differs in several respects, such as "sides of elytra but little explanate, lateral outline undulate," &c. *S. marginatus* has a shorter and more elevated elytral disc.

Length,  $4\frac{3}{4}$ ; breadth,  $2\frac{1}{3}$  lines.

Forty-mile Bush. Mr. H. Suter; one individual.

## Pseudopatrum.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 406.)

*Antennæ* subclavatæ articulo 3<sup>o</sup> elongato, ad basin tectæ; *oculi* transversi margine anteriore curvato. *Pseudepipleuræ* latissimæ acute inflexæ adventri marginem grosse profundeque foveolatae. *Tarsi* graciles, subtus satis pubescentes; *tibiæ* calcaribus brevibus; *coxæ* posteriores valde distantes, extus brevissime.

This genus is proposed for *Opatrum tuberculicostatum*, White (and a very closely allied species), and is of an anomalous character, so that its true position is very doubtful. The *clypeus* is emarginate in front, and the much-exposed *labrum* has its front margin of similar shape; the antennary orbit is rather strongly elevated, and is laterally more prominent than the eye. The last joint of the maxillary *palpus* is securiform. The *mentum* is moderately large, and the ligula visible at its extremity. The sides of the *thorax* are dilated and explanate. The front *coxæ* are small, globular, moderately distant, the process separating them flat, not prominent. The posterior portion of the *mesosternum* is more prominent (*i.e.*, on a different plane) than the anterior, but not at all impressed; the middle *coxæ* are moderately distant, globular, their trochanter rather small. The *metasternum* is short, and the hind *coxæ* so widely separated that they are very abbreviated in their transverse dimension. The most remarkable character is the great development of the *pseudepipleuræ*, which, moreover, are so acutely inflexed that their existence would not be suspected from an inspection of the upper surface, and along the sides of the ventral segments they bear a series of extremely remarkable foveæ. The *legs* are elongate

and slender, the *tibiæ* quite slender, and with two short but distinct spurs. The *tarsi* are all slender; the pubescence is on the basal joint divided by an impressed line; the penultimate is a little prolonged beneath the terminal joint.

The most natural position for this genus is, in my opinion, near *Adelium* and *Cilibe*; the form of the eyes and the concealed insertion of the antennæ remove it considerably from Pascoe's *Syrphetodes*, and from the extremely curious genus *Paraphylax*, Broun, which is remarkable on account of the neck of the mesothorax being greatly and abruptly below the level of the base of the elytra.

2041. **P. sordidum**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 406.) *Fuscum*, opacum, depressum, *prothoracis* lateribus explanato-elevatis; *elytris* per paria striatim minute asperato-punctatis, inter paria hic inde vix tuberculatis, ante apicem tuberculis parum elevatis.

Long., 12mm.

This is extremely similar to White's *O. tuberculicostatum*, but the remarkable sculpture of that insect is present here in a rather more rudimentary condition, the *head* is not so broad and the *antennæ* are not so elongate. The surface is sparsely studded with depressed flavescent setæ. The anterior angles of the *thorax* are much produced, and the disc is rendered uneven by some indistinct depressions. The *scutellum* is remarkably small. Along each *wing-case* there are three or four irregular stripes formed by minute asperities and punctures placed in pairs; the surface between these is scarcely at all elevated, but here and there is slightly swollen laterally; just before the declivous apex there are three slight tubercles on each elytron, the margin is elevated, and within it are coarse, indefinite depressions.

Picton. Helms; one example.

## Periatrum.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 407.)

*Pseudopatri* affine. *Caput* utrinque supra oculos fere planum, his subtransversis vix sinuatis. *Antennæ* articulo tertio sat elongato.

Although this insect is closely allied to *Pseudopatrum*, the differences in the head and eyes, accompanied by other less important peculiarities, warrant its generic differentiation, though the important points of structure are similar. Neither the *clypeus* nor the *labrum* is emarginate. The tibial spurs are extremely obscure, and the tarsi are quite slender. The *pseudepipleuræ* are extremely broad at the base, and there are well defined and acutely inflexed; they are not marked off from the upper surface by a margin, but by a sort of tuberculation; this becomes coarser behind, so that towards the extremity the *pseudepipleuræ* have ceased to exist; there is no trace of the extraordinary fossæ that exist on them in *Pseudopatrum*. This interesting form may, if an intermediate should be discovered,

prove to connect the genus *Syrphetodes* with *Pseudopatrum*; though one or two intermediate links as regards the antennary orbits and eyes are required before we are warranted in considering this affinity as established.

2042. **P. helmsi**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 408.) *Oblongum*, haud depressum, supraplanulatum, fuscum, opacum, tenuiter setosum; *elytris* ad latera et apicem irregulariter tuberculatis; antennis pedibusque testaceis.

Long., 7mm.

*Antennæ* with third joint one and a half times as long as the second, a little thickened from the fifth joint to the extremity, the terminal joint being the largest. The upper surface is obscurely sculptured in the form of very minute asperities, quite irregularly placed; there is an irregular longitudinal depression along the middle of the thorax more free from sculpture than the rest of the surface. The *thorax* is rather broader than long, moderately emarginate in front, the sides a little narrowed behind, the outline irregular, the hind angles nearly rectangular. The *scutellum* can scarcely be distinguished. The *wing-cases* are parallel-sided, and their outline behind becomes quite irregular on account of the nodules; there are also two irregular transverse series of nodules extending across the declivous apex. The very broad basal portion of the *pseudepipleuræ* bears large shallow punctures.

Grey-mouth. Helms.

## Exohadrus.

*Nov. gen.*

Allied to *Paraphylax*, differing therefrom as follows: Terminal joint of maxillary *palpi* more slender and subacuminate. *Head* immersed up to the eyes. *Thorax* with strongly-rounded and elevated lateral margins, so much raised that the disc is less elevated than they are, anterior angles partially overlapping the eyes. *Elytra* subquadrate, scutellar region not depressed, humeral angles obtusely prominent. *Antennæ* more slender, setose, last two joints abruptly broader than their predecessors.

No. 646 is the representative species, now *Exohadrus voluti-thorax*.

## Group—ULOMIDÆ.

### Apthora.

2043. **A. glabritarsis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 408.) *Oblonga*, parallela, nigerrima, nitida; prothorace fere impunctato, margine laterale posterius crasso; *elytris* seriatim subtiliter punctatis.

Long., 12mm.

*Antennæ* short, black; each joint from the third to the tenth a little shorter and broader than its predecessor; the penultimate



joints strongly transverse; terminal joints large, obtuse; epistome very deeply notched in front, so as to be quite bilobed. *Thorax* about one-third broader than long, its surface with distant, excessively minute punctures. The serial punctures of the *elytra* are fine, but distinct, and very regular; there is a short series on the sutural interval near the scutellum; the interstices impunctate. The *tarsi* are short and thick, and remarkable on account of their freedom from pubescence or setæ, all that can be detected being a very few placed on the inner face of the tarsus, not on the sole. The only example found is no doubt a male; it has the hind tibiæ denticulate internally below the knee, and the hind margin of the posterior femora and trochanters set with flavescent pubescence.

Picton. Helms. This is an interesting insect on account of the peculiar tarsi: the only other species of the genus has much more slender feet, with a little pubescence beneath.

## Group—CNODALONIDÆ.

### Artystona.

2044. **A. obscura**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 411.) *Elongata*, convexa, nigricans, antennis pedibusque rufis; *capite* thoraceque crebre subtiliter punctatis, subopacis; *elytris* subtiliter striato-punctatis, interstitiis versus apicem vix tuberculato-elevatis.

Long., 12mm.

The species of this genus are apparently very close to one another in their external characters, but appear to be subject to very little variation. *A. obscura* is about as large as *A. wakefieldi*, but broader and less linear, and is readily distinguished by the more opaque and less punctate head and thorax, and the very slight development of the elytral tuberculation.

Bealey. Helms. *A. wakefieldi* occurs at Christchurch (Wakefield), Dunedin (Hutton), and Picton (Helms).

2045. **A. collaris**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 412.) *Elongata*, nigricans, vix nitida antennis tarsisque rufescentibus; *capite* thoraceque subtiliter minus crebre punctatis, subopacis, hoc ante basin in medio transversim depresso, *elytris* striato-punctatis, interstitiis apicem versus parum tuberculato-elevatis.

Long., 13mm.

This is readily distinguished from *A. wakefieldi* by the more obsolete sculpture and the less shining surface. In these respects it is nearer to *A. obscura*; but that is more convex and less elongate, and has no trace of the depression at the base of the thorax.

Dunedin. G. Copland.

2046. **A. obsoleta**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 412.) *Elongata*, nigricans, pedibus piceis, antennis tarsisque rufis;

*capite* thoraceque subtiliter minus crebre punctatis, subopacis; *elytris* obsolete striato-punctatis vix nitidis, vix tuberculato-elevatis.

Long., 12mm.

This is distinguished from all the other species by the comparatively obsolete sculpture.

Castle Hill. Enys.

## Group—HELEIDÆ.

### Cilibe.

2047. *C. marginalis*, *n.s.* *Nitid*, pitchy-red, thoracic disc darker, lateral margins and legs reddish, antennæ and palpi paler.

Somewhat similar to *C. elongata*. The head more finely and not so closely punctured. Terminal joints of antennæ as long as they are broad. Thorax widest behind the middle, gradually narrowed anteriorly, less narrowed behind; posterior angles acute, the anterior more prominent than in *C. elongata*; the punctuation finer and more distant, quite remote on the disc, but larger and rugose at the sides; the sides themselves more explanate, with broad regular channels. Elytra rather broader than the thorax, very little expanded behind the middle; not distinctly costate, with many ill-defined shallow striæ, but sculptured very much in the same way as *C. elongata* and *C. huttoni*. The front and middle tibiæ closely ciliate along the inner edge.

The broad, regular, flattened or concave marginal channels, which distinctly mark off the disc of the thorax, distinguish this species from its nearest allies, *C. elongata* and *C. huttoni*.

Length,  $5\frac{1}{2}$ ; breadth,  $2\frac{1}{2}$  lines.

Mokohinou Island. Mr. Sandager sent me the only individual I have seen.

## Group—HELOPIDÆ.

### Adelium.

2048. *A. multistriatum*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 409.) *Oblongum*, parallelum, æneum, pedibus piceis, annis tarsisque rufescentibus, *prothorace* subquadrato, crebrius fortiter punctato, *elytris* regulariter fortiterque striatis, striis crebrius punctatis, interstitiis angustis.

Long., 12mm.

This is closely allied to *A. thoracicum*, and has a similar sculpture; the thorax, however, is not conspicuously narrowed behind, and the elytra are remarkable by their deep, regular striation, the striæ being very closely punctured, and the interstices narrow and rather convex. The punctuation of the thorax is similar to that of *A. thoracicum*, but rather more dense, and the sculpture of the vertex is decidedly rugose.

Picton. Helms; one mutilated example.

Obs.—Very near No. 1404.—T. B.

2049. **A. simplex**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 409.) *Æneo-nigrum*, nitidum, pedibus piceis, antennis tarsisque rufis, *prothorace* subquadrato, lateribus subrectis, postice tantum lenissime angustato, crebre subtiliter punctato, intra latera depressiusculo; *elytris* multistriatis, sat fortiter punctatis.

Long., 9mm.

*Head* closely, moderately finely punctate. *Thorax* about one-fourth broader than long, rather closely and moderately finely punctured, the sides a little depressed close to the lateral margin, this latter rather broad, the hind angles rectangular. *Elytra* with series of punctures placed in striæ, the punctures coarse, so that the striation is not very distinct; with one or two spots on the disc where the striæ become disorganized; the interstices almost impunctate. In addition to the punctuation the head and thorax have a few vague larger impressions irregularly placed, and, perhaps, abnormal.

Christchurch. Wakefield; one example. I sent this to Mr. F. Bates some years ago, and he returned it as unknown to him. It should be placed near *A. thoracicum*. *A. æratum*, Broun, appears from the description to be a closely-allied species with differently-sculptured elytra.

2050. **A. sericatum**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 409.) *Oblongum*, subdepressum, subnitidum, æneum, pedibus piceis, antennis tarsisque rufis; *prothorace* subquadrato, crebre subtiliter punctato, *elytris* seriatim punctatis, interstitiis latis sparsim minus subtiliter punctatis.

Long., 9–10mm.

This is closely allied to *A. simplex*, though readily distinguished by the less shining surface, and by the much finer punctuation of the wing-cases, which are only very feebly striate, the outer series being very obsolete; when compared with *A. simplex* the striæ are nearly as numerous (about fifteen) as they are in *A. simplex*, though, owing to their greater fineness, and to the broader interstices, and to the fact that the sides of the elytra are more deflexed, they appear at first to be fewer. There is but little difference in the front tarsi of the two sexes.

Dunedin. Professor Hutton.

2051. **A. intermedium**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 410.) *Oblongum*, subdepressum, nigro-æneum, parum nitidum, antennis fuscis, tarsis rufis; *prothorace* subquadrato, subtiliter marginato, crebre subtiliter punctato; *elytris* crebre punctatis, obsolete striatis.

Long., 8mm.

This greatly resembles *A. zealandicum*, but is much less densely punctate, and the fine depressed pubescence of that species is represented in *A. intermedium* by a setosity that is so extremely minute that it can be only detected with a high power; the striæ are quite as obsolete as they are in *A. zealandicum*.

Bealey. Helms; a series of six examples.



2052. *A. dunedinis*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 410.) *Oblongum*, convexum, parum nitidum, æneum, antennis pedibusque rufis, femoribus picescentibus; *prothorace* subquadrato, crebrius subtiliter punctato; *elytris* subobsolete punctatis, ad basin seriebus minus regularibus punctorum paulo majorum.

Long., 8mm.

This has most affinity with *A. simulans*, Redt., from which, however, it is readily distinguished by the much longer thorax, and by the fact that the serial sculpture of the elytra is confined to their basal half, and is even there more or less irregular. The *thorax* is fully one-fourth broader than long; the surface very closely and regularly punctate, with a definite punctiform basal fovea on either side, the lateral margin rather fine, the hind angles rectangular, but not sharply marked, the surface convexly transverse, especially in front, so that the front angles are much depressed, and the anterior margin seems comparatively less emarginate than in *A. zealandicum* and many others.

Dunedin. Another species we owe to Professor Hutton.

Obs.—The above agrees in almost all particulars with *A. lentum* (No. 692), but there is no allusion to the fact of the scutellum being invisible.—T. B.

2053. *A. urquharti*, *n.s.* *Subcylindrical*, convex, shining, bronzed nigro-fuscous, glabrous; femora glossy pitchy-brown, tibiæ infusate-red, tarsi and antennæ paler.

*Head* rather finely and not closely punctured, with shallow frontal impressions. *Antennæ* rather short, terminal joint ovate, much longer than broad. *Thorax* transverse, apex nearly quite truncate, base only feebly sinuate at the middle; sides very gently curved towards the obtuse anterior angles, slightly sinuated behind the middle, margins fine and but little thickened behind, posterior angles rectangular; disc just perceptibly uneven, its punctures like those on the head, rather distantly placed in front, nowhere close. *Scutellum* short, broad, punctate. *Elytra* scarcely exceeding thorax in width, very little curvate laterally; finely striate-punctate, becoming obsolete on the hind slope, interstices minutely punctured. *Abdomen* transversely convex, third and fourth segments impressed near each side.

There is considerable similitude between this species and *A. amaroides*, its nearest ally. The head, however, is rather more extended anteriorly; the thorax is longer, not at all depressed near the eyes, more unlevel above yet not in the least rugose. The elytra are a good deal longer, with fine interstitial punctures.

Length,  $3\frac{1}{4}$ ; breadth,  $1\frac{3}{8}$  lines.

Stratford, Mount Egmont. My specimen was found by Mr. A. T. Urquhart, in whose honour it is named.

2054. *A. miniatum*, *n.s.* *Elongate*, subparallel, glossy cupreo-rufous, legs piceous, tarsi and antennæ red, palpi fuscous.

This species closely resembles *A. cheesemani* (No. 1404). In both there are about seventeen elytral striæ, only eight or ten of which usually touch the base, the interstices are narrow and convex, and very sparingly punctured, and a few very slender elongate hairs are distributed over the surface: there, however, the likeness ends. In *A. miniatum* the head is more rugosely punctured, with two small frontal impressions. The thorax is considerably longer, being evidently longer than broad, its sides are more slightly (gently) curved in front and narrowed behind, and the lateral margins are a good deal thicker, especially near the front, and more raised. The basal two segments of the abdomen are longitudinally impressed. The middle coxæ rather further apart.

Length,  $5\frac{1}{4}$ ; breadth,  $1\frac{7}{8}$  lines.

I am indebted to Mr. A. T. Cavell for my specimen, which was found at Boatman's, near Reefton.

2055. *A. gratiosum*, *n.s.* Robust, ovate-oblong, a little convex transversely and somewhat arched longitudinally; shining, coppery-black, slightly rufescent; last joint of palpi and first of antennæ piceous, the other joints pale-ferruginous.

Head short, immersed up to eyes, irregularly rugose. Antennæ with fulvous pubescence; third joint nearly twice the length of fourth. Thorax transverse, deeply emarginate at apex, widely sinuate at base, broadest at the middle; sides gradually narrowed and slightly curved towards the obtusely prominent anterior angles, more abruptly, and a little sinuously, narrowed behind, posterior angles rectangular, resting on base of elytra; lateral margins thick, the basal and apical much finer; a little uneven above, side channels broad and more or less distinctly wrinkled transversely, the rest of its sculpture impossible to define briefly, consisting of linear impressions enclosing areas of irregular form. Scutellum broadly triangular, smooth. Elytra wider than thorax at base, considerably narrowed posteriorly, shoulders obliquely rounded, lateral margins distinct; there is a sutural row of fine punctures on each, the rest of the punctuation is seldom regular, the other sculpture consists of irregular, sometimes raised, spaces, and depressions.

Underside shining, black, finely sculptured; pleuræ rather coarsely rugosely punctated; head and flanks of prosternum irregularly wrinkled.

The elytral sculpture has some resemblance to that of *A. bullatum* and *A. intricatum*, but is even more troublesome to describe minutely. It is the finest species I have seen, though I have several Australian.

Length,  $8\frac{1}{2}$ ; breadth,  $3\frac{3}{4}$  lines.

Boatman's, near Reefton. Two examples, discovered by Mr. A. T. Cavell.

2056. *A. turgidulum*, *n.s.* Convex, without superficial inequalities, shining; slightly infusate bronzed-black, tarsi and antennæ piceous, claws red.

*Head* irregularly, rugosely, but not deeply punctured. *Thorax* about one-third broader than long, apex widely incurved, the base not so deeply; its sides almost regularly rounded, a little sinuously narrowed towards the base, posterior angles rectangular, resting on the elytra; there is a feeble dorsal groove, the surface is moderately finely and closely punctured, and there are two shallow basal impressions. *Scutellum* short and broad. *Elytra* broader than the thorax at the base, widest near the hind thighs; their surface not at all uneven, finely and closely punctate; each elytron with two series of rather fine closely-placed punctures near the suture, these do not form striæ, other irregular lines of rather fine punctures enclose oval or elongate spaces, none of which are raised. *Tibiæ* curved externally.

*A. nigrifulum* is narrower; the elytra, behind the shoulders, are somewhat incurved; the sculpture is coarser, and the surface more uneven, though not to the same extent as in *A. bullatus*. These two are its nearest allies, from each of which this species may be distinguished by the larger size, broad form, and comparatively smooth surface.

Obs.—A variety of *A. nigrifulum* has been found by Mr. Suter on Mount Cook in which the areas enclosed by the fine serial punctures of the elytra are, for the most part, linear, but I cannot separate it from my typical specimen in a satisfactory way at present.

Length,  $6\frac{1}{2}$ ; breadth,  $3\frac{1}{4}$  lines.

Taieri. S. W. Fulton; one example.

## Edalus.

*Nov. gen.*

*Body* elongate, subdepressed. *Head* transversely quadrate; epistome broadly rounded in front; labrum prominent, truncate in front. *Eyes* small, sometimes very small, coarsely faceted, transversely oval, placed at the sides of the head just free from the thoracic angles. *Antennæ* inserted in front of, but on a lower plane than, the eyes; most of the basal joint concealed above by the antennary orbits; second joint scarcely longer than fourth; third joint nearly as long as the following three taken together; ninth and tenth rather larger than eighth; eleventh largest, broadly ovate. *Thorax* closely adapted to elytra, longer than broad, narrowed behind, rounded towards the front, posterior angles rectangular, the anterior a little prominent. *Scutellum* very short and broad. *Elytra* rather wider than thorax at base, humeral angles small but prominent, sides subparallel, pleuræ inflexed; *epipleuræ* extremely narrow, absent in fact. *Prosternum* emarginate in front; *coxæ* not prominent, moderately widely separated. *Legs* simple; *tarsi* pilose underneath, narrow; basal joint of anterior rather short, 2–4 transverse, fifth elongate, the posterior with a rather short basal joint, second and third transverse, fourth elongate.



Near the Australian *Seirotana* ; the most salient differentiating characters are, the short basal and transverse intermediate articulations of the tarsi, and small eyes.

2057. **E. opacus**, *n.s.* *Opaque*, smoky-brown ; antennæ, palpi, and legs red.

*Head* moderately coarsely punctate, with minute pallid setæ in the punctures, a few longer ones on the sides and front. *Antenna* with elongate fulvous hairs, the terminal joints more finely and densely pubescent. *Thorax* longer than broad, widest near the front, sides crenate and broadly rounded towards the front but sinuously narrowed behind ; with two elongate, shallow impressions extending backwards from behind the eyes ; very coarsely, often confluent or rugosely, punctured ; clothed like the head. *Elytra* with peculiar sculpture, consisting of about nine rows of irregular punctiform impressions (on each elytron), with short transverse rugosities or minute granules, but striate behind, the intervals between the second and third striæ very broad, some of the other interstices on the hind slope also broad and irregular ; they bear fine setæ. *Legs* clothed with fine upright hairs. *Abdomen*, except the closely-punctured apical segment, almost smooth.

Length,  $3\frac{1}{4}$  ; breadth,  $1\frac{1}{2}$  lines.

Parua, Whangarei Harbour. One individual only.

No. 695 is congeneric, now *Edalus alienus* ; it has smaller eyes and somewhat different sculpture.

## Leiopeplus.

*Nov. gen.*

*Body* very convex, oval, glabrous. *Palpi* short, terminal joint securiform. *Antennæ* shorter than head and thorax, gradually expanded, basal five joints nude, or nearly so, the others pubescent ; they are implanted below the forehead in front of the eyes ; second and fifth joints of equal length, third longer than fourth, eleventh somewhat rounded and rather larger than tenth. *Head* immersed up to the eyes, narrowed towards the truncate forehead, the sides at antennal insertion not elevated. *Labrum* extremely short, broad, densely ciliated in front. *Eyes* coarsely faceted, strongly transverse. *Thorax* transverse, finely margined, closely applied to the elytra, apex not emarginate, angles rectangular, the anterior obtuse. *Scutellum* very small. *Elytra* a little broader than thorax, sides margined, epipleuræ broad at the base but quite linear at apex. *Prosternum* widely incurved in front ; intercoxal process extending into the emargination of mesosternum ; coxæ moderately distant. *Metasternum* rather short. *Abdomen* with five free segments, fourth shortest. *Femora* not clavate, grooved underneath ; *tibiæ* arcuate, with minute terminal spurs ; *tarsi* (except the glabrous claw joint) densely clothed throughout with rather long hairs ; basal joint of the posterior rather longer than the next two conjointly.

*Metisopus* (F. Bates, *Trans. Ent. Soc.*, 1873, p. 370) is the most nearly allied genus; in it the tarsal vestiture is confined to the tips of the first three joints.

The type is No. 696, now *Leiopeplus expositus*.

## Cerodolus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 410.)

*Corpus* ovale, convexum, absque pubescentia. *Pedes* graciles, tarsi subtus sat longe pubescentes, articulo penultimo simplice precedente fere angustiore. *Prosterni processus* latus, inter pedes impressus, apice libero; *mesosternum* declive.

*Antennæ* slender, the apical joints scarcely thicker, the third joint a little longer than the fourth; antennary orbits a little elevated; basal joint of antenna partly covered above; terminal joints of *palpi* securiform; *mentum* rather broader than long; a little narrowed towards the base; the front oblique on each side, so as to form an angle in the middle; the surface not flat, the prominent antero-medial part being bulged: this apparently accommodates the *ligula* behind it, for this part is but little exposed; front coxæ rather small, rather widely separated; the *prosternal process* impressed between the legs, and behind them not bent up; its extremity capable of close apposition with the vertical front of the posterior part of the mesosternum; *metasternum* very short; hind coxæ broadly separated; the process between them neither truncate nor acuminate in front, but intermediate in shape between these two forms; ventral segments as in *Adelium*; *epipleura* moderate, gradually narrowed from the base to the apex; *legs* slender; tibiae cylindric, smooth; *tarsi* quite slender, not densely pubescent beneath.

This is another genus of *Tenebrionides*, not closely allied to any other; but will probably be found allied to some of the little-known forms of the family from New Caledonia, such as *Isopus*. In the New Zealand list it will take its place next to *Adelium*.

2058. **C. chrysomeloides**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 411.) *Ovalis*, niger, supra æneus, antennis pedibusque rufis; *capite* thoraceque subtiliter punctatis, *elytris* subopacis, seriatim foveolato-punctatis.

Long., 7mm.

*Antennæ* longer than head and thorax; penultimate joint about as long as broad; head scarcely half as broad as the *elytra*; *thorax* a little narrowed from the base to the front, with a very slight sinuation of the sides in the front of the hind angles; these about rectangular, but minutely rounded; the lateral margin very fine; the front not emarginate; the base a little sinuate on either side; the surface finely and not densely punctate, with a minute depression on the base on either side of the middle; *scutellum* transverse; *elytra* convex, each with eight series of foveiform punctures, some-

where about twelve punctures in each series; those near the suture and base finer, and those at the apex irregular, so that the surface there is quite uneven. *Legs* glabrous, unicolorous-red.

Greymouth. Helms. I first received this insect from Herr Reitter; and, as he wished a name proposed for it, I labelled it "*Adelium (?) variolosum*:" on investigation it proves, however, to be abundantly different from *Adelium*.

2059. **C. genialis**, *n.s.* *Convex*, oval, shining, glabrous; head and thorax æneo-niger, elytra of a reddish hue, palpi and tarsi fulvous, antennæ and tibiæ red, femora mostly piceous.

*Head* finely punctate. *Thorax* transverse, the sides but little curved, straight behind; anterior angles hardly at all depressed, the posterior rectangular; rather finely and not closely punctured, and with a transverse impression on either side of the middle along the base. *Scutellum* transverse, minutely punctured. *Elytra* minutely punctured, and with eight rows of rather distant, irregular, punctiform impressions, coarser near the sides and extremity, causing inequalities of surface behind. *Tibiæ* straight.

*Underside* black, shining, finely sculptured.

Allied to the typical species; the prosternal process, however, is not in the least impressed, the elytra are as glossy as the thorax, and the legs are not concolorous.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{5}{8}$  lines.

Mount Arthur. Two examples, one much mutilated, were brought to me by Mr. T. F. Cheeseman.

2060. **C. æneus**, *n.s.* *Oval*, convex, nitid, greenish; femora piceous, tibiæ and antennæ red, tarsi and palpi fulvous.

*Underside* pitchy-black, shining, finely sculptured.

This species agrees in most respects with the description of *C. chrysomeloides*, but the *prosternal process* is broadly grooved longitudinally throughout, the *elytra* are quite glossy, the *legs* are not uniformly coloured, and the five terminal joints of the *antennæ* are more obviously pubescent than the others. It is shorter and more convex than *C. genialis*, with the thorax narrower in front and with more depressed anterior angles; the sculpture, however, is quite, or very nearly, similar.

Length, 3; breadth,  $1\frac{1}{2}$  lines.

Boatman's. Mr. A. T. Cavell was kind enough to send me three specimens, which he detected under bark.

## Group—PEDILIDÆ.

### Macratria.

2061. **M. flavipes**, *n.s.* *Elongate*; head and thorax black, elytra piceous, the legs, palpi, and two basal joints of the antennæ yellow, the next three joints more or less fusco-testaceous, the remainder fuscous; pubescence greyish.



Rather larger and decidedly broader than *M. verticalis*; the head with more distinct punctures, the occiput less convex and with very few punctures; the eyes not quite as large and more widely separated above; the legs a little stouter, the posterior tibiæ with rather longer spurs; the basal joint of the front tarsi slightly more dilated; the pubescence rather finer.

Length,  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{1}{2}$  line.

Parua (Whangarei Harbour). One example.

### Xylophilus.

2062. *X. nitidus*, n.s. Shining, clothed with minute grayish hairs; black, legs, palpi, and antennæ yellowish.

Head broader than the thorax, distinctly but rather distantly punctured. Antennæ longer than the head and thorax, rather slender, basal joint larger than second, third and fourth slender, subequal, twice as long as broad, joints 5–10 decrease in length but become broader, the tenth being transversely quadrate, eleventh broad, subovate. Thorax small, about as long as broad, more rounded and narrowed in front than behind, without distinct lateral margins, its punctuation closer and rather coarser (yet fine rather than coarse) than that of the head. Scutellum smooth, subtriangular, but with a truncate apex. Elytra ample, twice the breadth of the thorax, widest behind, gradually narrowed towards the obtuse shoulders; they are broadly impressed before the middle, and are distinctly punctured, the punctures becoming finer and more distant towards the extremity.

This and the following species cannot be referred to Westwood's genus *Euglenes* on account of the structure of the antennæ and eyes, but they may, I think, be placed in *Xylophilus*.

The eyes are large and prominent, moderately widely separated above, rotundate, a little notched in front, and distinctly faceted. The antennæ are implanted on the forehead near the front and inner part of the eyes. The maxillary palpi have a large cultriform terminal joint, which is united to the penultimate not in the middle but at the side. The posterior tibiæ are gradually thickened, and terminate on the inside in a conspicuous process; the hind tarsi are long, the basal joint being nearly the length of the tibia, the intermediate are very short.

Length, 1; breadth, nearly  $\frac{1}{2}$  line.

Northcote, Waitemata Harbour. One example.

2063. *X. antennalis*, n.s. Shining, fusco-niger, legs more or less fuscous; pubescence greyish; palpi yellow, their last joints infusate.

Antennæ rather longer than the head and thorax, basal joint piceous, the following six testaceous, the remainder fuscous.

Allied to *X. nitidus*; the head much broader, rather finely and distantly punctured; thorax shorter, transversely quadrate, moderately punctured; scutellum short, not at all triangular; elytra more

feebly impressed before the middle, their outline similar, but rather narrower.

Length, 1; breadth,  $\frac{3}{8}$  line.

Paparoa, near Howick. One individual only.

2064. **X. coloratus**, *n.s.* *Fuscous*, head and thorax somewhat rufescent, base of elytra testaceous; legs pale, yellowish, the hind femora dark, sometimes piceous; antennæ rufo-testaceous, the basal and terminal joints infusate or reddish; the body moderately shining, with slender greyish pubescence.

*Head* very sparingly and finely punctured. *Thorax* about as long as broad, distinctly but not closely punctured, with two more or less confluent basal depressions, more feebly impressed near the front. *Scutellum* subtriangular, its apex truncate. *Elytra* gradually narrowed towards the front, about twice as broad as the thorax, broadly, almost curvedly, impressed before the middle; they are moderately closely punctured, the sculpture, however, becoming finer and more distant behind. *Eyes* not distinctly emarginate.

Length, 1; breadth,  $\frac{3}{8}$  line.

Otago, Chalmer, one; Mokohinou, Sandager, two; and from other localities in my own collection. The species is variable.

2065. **X. pictipes**, *n.s.* *Castaneo-fuscous*, the shoulders paler; legs testaceous, the posterior femora and the apical half of the intermediate and hind tibiæ infusate; antennæ fuscous, the third joint and the extremity of the next seven paler, the two basal joints piceous; pubescence greyish.

*Head* broad, indistinctly punctured, shining. *Eyes* very large. *Antennæ* stout, filiform, evidently longer than the head and thorax, second and third joints short, 4-10 decrease in length, tenth obconical. *Thorax* quite as long as broad, narrowed near the front, uneven, distinctly and moderately closely punctured, with three basal impressions (one at the middle and one near each side). *Scutellum* subtriangular, truncate behind. *Elytra* nearly twice the breadth of the thorax, curvedly impressed in front of the middle, distinctly punctured, more closely near the base than behind. *Tibiæ* with a short terminal process, the intermediate slightly curved.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Howick. One example.

2066. **X. obscurus**, *n.s.* *Fuscous*, head and thorax blackish and shining; legs and antennæ fusco-testaceous; elytral clothing ash-coloured, slender, but rather dense, causing the elytra to appear subopaque.

*Head* without distinct punctures. *Thorax* quite as long as it is broad, with two large rounded impressions near the base; it is moderately closely punctured. *Scutellum* subtriangular, its apex emarginate. *Elytra* oblong, but little narrowed in front, not twice as broad as the thorax, broadly impressed before the middle, rather

closely punctured, less so behind. *Antennæ* longer than the head and thorax, stout, ninth and tenth joints transverse. *Tibia* with a short apical process.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Howick. Two specimens.

## Group—ANTHICIDÆ.

### Cotes.

2067. *C. optima*, *n.s.* *Elongate*, rather glossy; head æneofuscous, thorax more rufescent, elytra pale-brown, legs pale-testaceous, antennæ reddish.

*Head* as broad as thorax, much narrowed, but not abruptly truncate, behind; finely and distantly punctured. *Antennæ* stout, reaching backwards to intermediate femora; second joint almost as long as third. *Thorax* longer than broad, constricted behind the middle; its punctation closer than that of the head, almost dense near the front and base; its yellow pubescence most conspicuous behind. *Elytra* widest before the middle, convex, densely covered with depressed fulvous hairs, intermingled with some upright ones which are most obvious behind; distinctly but not coarsely punctured, the punctuation, however, becoming obsolete behind the middle. *Legs* stout.

*C. vestita* is described as opaque, with the head and thorax impunctate.

*C. proba* differs from the present species in having the coarser punctures on the basal portion of the elytra disposed almost in rows. The form of the hind-body is different, being broadest at the middle, in one example—probably a sexual variety—even after the middle; the elytra are not convex, or only a trifle so, and are, moreover, depressed behind the base. *C. crisp*i and *C. punctata* are altogether different insects.

Length,  $3\frac{1}{2}$  lines; breadth, nearly 1 line.

Howick. One individual, found underneath a log.

2068. *C. punctata*, *n.s.* *Elongate*, moderately shining, densely covered with depressed and erect yellow hairs, those on head and thorax much more scanty; head, thorax, and antennæ reddish; elytra fulvous, but with the basal and middle portions more or less infusate; legs and palpi fulvescent.

*Head* rounded behind the eyes, as broad as thorax, quite obsoletely and remotely punctured; the neck broad and coarsely sculptured, as, indeed, is the case with the larger species. *Antennæ* moderate; second joint distinctly shorter than third. *Thorax* of normal form, the constriction accompanied by an obvious depression across the surface, this narrowed portion quite evidently punctate. *Elytra* broadest near the shoulders, which, however, are narrowed, as is usual; they are a little depressed before the middle, and have several series of punctures which do not extend much beyond the



centre, the posterior sculpture being indefinite. *Legs* moderately stout; *tibiæ* slightly bent, intermediate densely pubescent near the extremity.

In *C. optima* the thoracic constriction does not cause any superficial depression; in *C. proba* the dorsal depression is not deep; in the formerly-described species the contraction is continuous, producing a very evident transverse impression on the dorsum.

Length,  $1\frac{1}{2}$ – $1\frac{3}{4}$  lines; breadth,  $\frac{1}{2}$  line.

Howick. Two specimens, under logs.

2069. **C. dorsale**, *n.s.* *Elongate*, thickly pubescent; head and thorax a little shining, infuscate-red, the sides and basal portion of the latter blackish; elytra opaque, paler in colour; legs testaceous; antennæ, palpi, and tarsi testaceo-rufous.

*Head* as broad as thorax, frontal impressions well marked, not perceptibly punctate, with some slender yellow hairs. *Antennæ* robust, elongate; second joint two-thirds the length of third. *Thorax* indistinctly sculptured; the middle of basal portion, and a large, almost triangular, space on the frontal portion densely covered with fine yellow pubescence; the rest of the clothing less conspicuous, except, of course, the ordinary upright hairs. *Scutellum* almost oblong. *Elytra* elongate, widest behind posterior femora, yet not much broader there than elsewhere; each with four dorsal rows of distinct but not coarse punctures, becoming finer behind and even quite obsolete at the extremity; broadly impressed before the middle, faintly fuscous behind that; covered with greyish-yellow hairs near the middle, the other parts with fulvous or reddish hairs, many being erect and elongate; the pubescence not straight, but curled, as it were, yet lying flat on the surface.

Differs superficially from *C. proba* in coloration, in the peculiar clothing of the elytra, shorter and broader thorax, longer scutellum, and different elytral sculpture.

*Underside* dark-fuscous, abdomen paler, pubescence yellow. The narrow excision of metasternum with slightly-curved edges and prolonged forwards as a fine channel; the abdominal process triangular, with a transverse elevation behind; the basal segment nearly as long as the following two.

In *C. proba* the metasternal excision is triangular with straight sides, and the abdominal process is similar in form, quite simple, and on the same plane as the segment itself.

Length,  $2\frac{1}{2}$  lines; breadth, nearly  $\frac{3}{4}$  line.

Clevedon. I am indebted to Mr. Munro for two examples.

2070. **C. distincta**, *n.s.* *Body* slightly nitid; pubescence yellow, thicker on elytra than anywhere else, erect hairs numerous.

*Head* very indistinctly punctured. *Thorax* finely punctated. *Scutellum* transverse. *Elytra* widest near the base, gradually attenuated posteriorly, apices broadly rounded, almost truncate; punctuation somewhat irregular at base, more definitely serial near the middle, becoming indistinct behind.

*Coloration* like that of *C. proba*; shape and sculpture of hind-body different.

Distinguished from all the other species by the rather slender *antennæ*, the second joint of which is about one-half the length of the third; this joint has a basal articulation distinctly marked off from the joint itself, and which, under ordinary conditions, is received into the apical cavity of the first joint; if these two portions be taken together the second joint would equal the third in length. This character, I notice, obtains in other species, but in my specimen of *C. distincta* it is remarkably developed.

Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Obs.—When examining the different species of this genus in my collection I found that the scutellum offers a good differentiating character. In *C. crispi* it is triangular; in *C. punctata* it is shorter and broader; *C. optima* has a broadly-triangular one, rounded behind.

2071. **C. proxima**, *n.s.* *Nitid*, testaceo-fuscous, slightly bronzed, the head, thorax, and elytral suture rather more rufescent; femora testaceous; tibiæ, tarsi, antennæ, and palpi rufo-testaceous; densely clothed with conspicuous fulvescent hairs.

Closely allied to *C. optima*, only differing therefrom by the closer punctuation of the head and thorax, the latter being quite densely, but finely, punctured.

Length,  $3\frac{1}{8}$  lines; breadth, 1 line.

Mokohinou Island. One example; Mr. Sandager.

2072. **C. rufa**, *n.s.* *Shining*, fusco-rufous, a broad space near the middle of the elytra yellow; pubescence yellow.

The *head* is unusually narrow and not perceptibly punctured. *Eyes* rather small. *Thorax* small, longer than broad, its frontal portion two-thirds of the whole size and quite globose; the constriction near the base is continuous, so that there is a deep channel across the dorsum, the basal portion is broader than the other, and the surface appears quite smooth. *Elytra* long and broad, oblong, rounded behind; broadly impressed before the middle, and with an impression near each shoulder, so that there seem to be two rounded, obtuse, basal elevations near the scutellum; on these the punctures are much finer than those on the depressed parts, they are not arranged in regular rows, though, here and there, they seem to be so, the sculpture becomes finer after the middle, the apical portion being smooth. *Legs* rather slender. *Antennæ* extending backwards beyond the middle thighs.

This species is remarkable on account of the small thorax, ample, and not at all oviform, hind-body, and rather narrow head.

Length,  $2\frac{7}{8}$  lines; breadth, 1 line.

Described from an old damaged specimen sent by Mr. Sandager, and found by him most likely near Wellington.

**Anthicus.**

2073. **A. anthracinus**, *n.s.* *Glossy*, deep-black, legs and antennæ infusate-black, knees and tarsi fuscous; pubescence fine, ash-coloured, but intermingled with some paler elongate hairs.

*Head* subquadrate, rounded behind, smooth. *Antennæ* elongate, second joint more than half the length of the third, which is nearly similar to the fourth and fifth, eleventh acuminate. *Thorax* small, rather longer than broad, rounded laterally, much narrowed in front, with a deep, broad constriction at each side behind the middle; it is distantly and not very evidently punctured, almost in series near the middle. *Elytra* elongate, nearly twice as broad as the thorax, oviform; their punctuation distinct, not close, not serial, and becoming quite obsolete behind the posterior femora. *Legs* elongate, tibial spurs minute; basal joint of hind tarsus as long as the following three.

Very much like *A. obscuricornis*.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$  line.

Boatman's. Discovered by Mr. Cavell.

2074. **A. fallax**, *n.s.* *Nitid*, sparsely clothed with minute greyish hairs; variegate, head and most part of the elytra blackish; femora dark-brown; the thorax, the humeral regions, tibiæ, and six basal joints of the antennæ rufo-testaceous; remaining joints of these latter infusate.

*Head* large, subquadrate, finely and moderately closely punctured. *Prothorax* widest in front, much contracted just before the base; it bears two small frontal elevations, its punctuation like that of the head. *Elytra* ample, suboblong, broadest near the middle, apices very obtusely rounded, slightly depressed before the middle, and with an elongate sutural depression behind; its punctuation distinct yet neither very close nor coarse. *Pygidium* much exposed, finely and densely sculptured. *Legs* robust, intermediate tibiæ densely clothed with yellow hairs near the extremity.

This species is considerably larger than *A. minor*; it, however, more closely resembles the European *A. floralis*, from which indeed it only differs in coloration, in its much finer and less conspicuous clothing, more robust legs, and much more protuberant anal segments.

Length,  $1\frac{3}{4}$  lines; breadth, quite  $\frac{1}{2}$  line.

Described from a specimen taken from a puriri log at Howick.

**Group—CISTELIDÆ.****Xylochus.**

2075. **X. spinifer**, *n.s.* *Body* moderately shining; head and thorax fusco-niger, elytra nigro-fuscous, legs rufo-fuscous or piceous, tarsi fulvescent, antennæ reddish.

*Head* finely but not closely punctured. *Elytra* obviously striate-punctate, the sutural striæ most distinct, the scutellar series of punctures elongate.



This species is like *X. dentipes*, but the sides of the *thorax* are more strongly rounded at the middle and more abruptly narrowed behind, so as to appear as if obliquely sinuated near the base; the superficial sculpture too is different, being finer and less distinct. The elytral punctures are larger, but the suture, near the hind slope, is not so broad or convex.

The male has the armature of the front femora more conspicuous; instead of a blunt tooth-like projection, it has rather the appearance of an outstanding spiniform process.

Female. Front tibiæ straight, intermediate nearly so, the posterior moderately curveate.

Length, 4; breadth,  $1\frac{1}{2}$  lines.

Mokohinou Island. Mr. Sandager was kind enough to send me a pair.

## Omedes.

*Nov. gen.*

Terminal joint of *palpi* wide in front, cultriform. *Eyes* nearly rotundate, emarginate in front, large, with coarse facets, but not at all prominent or convex. The space between the forehead and labrum large, membranous. *Prosternal process* rather narrow between the coxæ, deflected behind these, and then a little produced and flattened, on a lower plane than in front. Intercostal process of *abdomen* almost triangular, narrower than in the genus *Xylochus*. Spurs of the *tibiæ* small. *Claws* of the tarsi finely pectinate.

This genus is established for species which cannot be placed in *Xylochus*. Mr. Pascoe is of opinion that his genus *Hybrenia* is closely allied to *Xylochus*, but I have not been able to see his description. White's *Tanychilus metallicus* is not a true *Tanychilus*, neither is No. 699.

2076. *O. nitidus*, *n.s.* *Body* nearly glabrous, shining, a little convex, moderately elongate; infusate-black, legs and coxæ pale-castaneous, femora more infusate; tarsi, antennæ, and palpi paler than the tibiæ, sometimes rufescent.

*Head* rounded behind; finely, not closely, and somewhat irregularly punctured; the forehead broadly concave. *Antennæ* pubescent, stout, filiform, reaching backwards to the hind thighs; second joint one-third the length of the following one. *Thorax* rather broader than long, curvedly narrowed near the front, nearly straight behind the middle, finely, yet distinctly, marginated; anterior angles depressed and rounded, the posterior nearly rectangular, but blunt; base feebly sinuate; there is a large puncture behind each eye, and two shallow impressions behind the middle; its punctuation is rather fine, shallow, and distant, but there are some more distinct punctures near the base. *Scutellum* broad, impunctate, somewhat polished. *Elytra* a little broader than the thorax at the base, wider still behind the middle, marginate, apices, singly, strongly rounded, so as to expose the finely-punctate apical segment; their series of punctures moderately small, finer and more distant near the sides,

the oblique scutellar series distinct; the sutural striæ are well marked, especially behind where they, and one or two others, are rounded; interstices broad, not convex, densely and minutely sculptured, and with a few very small punctures. *Legs* stout, simple, finely pubescent.

*Underside* nigro-fuscous, middle of mesosternum more obviously punctured than any other part of the breast.

Length, 3; breadth,  $1\frac{1}{10}$  lines.

Mokohinou Island. Mr. Sandager; two examples.

2077. **O. fuscatus**, *n.s.* *Subopaque*, chestnut-brown; legs, antennæ, and palpi chestnut-red.

*Head* rounded behind antennal orbits, finely punctured, transversely depressed between the antennæ. *Thorax* with two ill-defined basal impressions, finely, distantly, and evenly punctured. *Elytra* broadly impressed before the middle, bearing series of fine punctures, these form two or three striæ behind, which are more or less bent or rounded near the extremity.

More depressed, rather broader, and duller than *O. nitidus*. The *head* more closely punctured. *Thorax* rather shorter, less narrowed in front. *Elytra* without scutellar (distinct) series of punctures, their sculpture less regular, basal punctuation indefinite. In both species there is a depression near each shoulder. The *scutellum* is longer.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Hooper's Inlet, Port Chalmers. One individual, sent by Mr. T. Chalmer, of Dunedin. A varietal form occurs at Moeraki Point, but the specimens I have seen are not in such good order as to enable me to determine whether they represent a distinct species. Two examples were sent for inspection by Mr. Sandager.

## Group—ÆDEMERIDÆ.

### Exocalopus.

*Nov. gen.*

Allied to *Techmessa*, differentiated by the following characters:—

*Epistome* limited in front by a sharply-defined, strongly-curved channel with carinate edges; the muzzle and labrum narrower. *Thorax* bisinuate at base. *Tibial spurs* not distinct. *Antennæ* similar to those of *Techmessa* in the female sex, but strongly pectinate among the males, in which sex the second and third joints are very short and equal, joints 4–10 are furnished with an elongate lobe, eleventh elongate.

Of all the published genera of the family this, no doubt, is the most approximated to the *Rhipiphoridae*; no other possesses such peculiarly-formed antennæ.

2078. **E. pectinatus**, *n.s.* *Elongate*, subdepressed; shining, black, knees, tarsi, and base of antennal joints infuscate; sparsely clothed with slender cinereous hairs.

*Head* broader than thorax (particularly in the male sex), middle of vertex smooth and very glossy, with an indefinite frontal longitudinal furrow, the spaces beyond distinctly punctured. *Eyes* large, prominent, transverse, entire. *Prothorax* transverse, truncate at apex, bisinuated and finely margined at base, narrower in front than behind, appearing as if angularly dilated just behind the middle, and from thence backwards with a broad sinuosity; its surface uneven, there being a depression which proceeds from the middle of each side and is continued as a curved one in front of the base, the raised parts are shining and almost smooth, but the rest of the surface is evidently punctated. *Elytra* rather broader than head, almost parallel-sided, being only a little wider behind than at the shoulders; densely, coarsely, and rugosely punctate. *Legs* elongate, slender, two hind pairs of tibiæ very slightly narrowed between the middle and apex; basal joint of posterior tarsi considerably longer than the other three taken together; they bear greyish hairs.

**Male.** Antennæ two-thirds of the length of the body, basal articulation stout, pyriform; second and third very short, equal; joints 4–10 elongate, cylindric, each sending forth from its centre a narrow lobe very similar in form to, but longer than, the joint itself; eleventh nearly half as long again as the preceding one.

**Fem.** Thorax broader, strongly transverse, of the same breadth as the head. Antennæ extending backwards to middle of after-body; third joint rather longer than second; fourth longer than fifth; joints 5–10 gradually, but not greatly, dilated towards the extremity, ninth and tenth least expanded; eleventh as long as tenth.

Length,  $2\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

The male was found by Mr. T. F. Cheeseman on Mount Arthur; the female was captured by myself, the previous summer, on Mount Egmont, at an elevation of about 3,000ft.

## Phytileæ.

*Nov. gen.*

*Body* elongate, subdepressed, pubescent. *Head* as large as thorax, abruptly contracted behind so as to form a distinct neck. *Labrum* prominent. *Palpi* rather short; terminal joint of maxillary cultriform. *Eyes* large, of rounded outline but deeply emarginate in front, their greatest bulk at the sides towards the front, distinctly faceted; widely separated above by a densely-sculptured depression occupying the space between the vertex and anterior margin. *Antennæ* inserted at the sides in front of the eyes, not in a cavity but in a protuberance having the appearance of a false basal joint; filiform, basal articulation rather small and subpyriform; second and third joints small, conjointly hardly as long as the fourth; joints 4–11 nearly equal. *Thorax* small, the sides quite obliquely narrowed in front; the remaining portion quadrangular, angulated in front at each side, then finely margined and incurved, so that the rectangular posterior angles appear prominent; base trisinate. *Scutellum* curvilinearly-triangular. *Elytra* broader



than thorax, parallel-sided, shoulders obtuse, apices rounded. *Legs* slender and elongate; tibiae with minute spurs; posterior tarsi elongate, basal joint longer than the other three taken together. *Prosternum* truncate in front; coxae prominent, elongate, contiguous, having only a very slender process in front; middle coxae contiguous, almost lunate. *Metasternum* elongate; hind coxae almost contiguous. *Abdomen* with five free segments.

This seems to be a quite isolated form, one, at any rate, that cannot be mistaken for any other.

2079. **P. propera**, *n.s.* *Body* slightly nitid; rufo-testaceous, elytra darker and subopaque, owing to the dense covering of depressed greyish hairs; legs yellow.

*Head* nearly quadrate, but with rounded hind angles; finely punctate, with fine yellow hairs; the whole middle portion densely sculptured and opaque; the *neck* one-third width of head, closely sculptured. *Thorax* abruptly obliquely narrowed in front, this portion quite one-third of the entire length; disc convex on the middle, the sides and a large space before the base depressed, with a rather broad shallow dorsal furrow; the surface closely and finely punctured, or granulated, difficult to determine which. *Elytra* densely and rugosely punctured.

*Underside* finely sculptured and pubescent, abdomen infusate.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Waitakerei Range. Two, taken off foliage.

### **Techmessa** (Gen., p. 423).

2080. **T. attenuata**, *n.s.* *Shining*, black, palpi and legs (especially the knees) infusate, head and thorax almost nude, wing-cases clothed with semi-erect, greyish-yellow hairs.

*Head* rather broader than thorax, much contracted behind, so that a very evident gap exists between the eyes, which are large and prominent, and the widest part of the thorax; moderately coarsely, very closely, and somewhat rugosely punctured. *Antennae* quite black, the third joint obviously larger than second, but shorter than fourth. *Prothorax* transverse, widest before the middle, rounded anteriorly, narrowed but not sinuated behind; its sculpture like that of the head. *Elytra* elongate, gradually narrowed from the shoulders backwards, strongly and closely punctured and transversely confluent rugose.

The head is broader than in *T. concolor*, and its punctation, as is also that of the thorax, is more evenly distributed, and the hind-body is gradually attenuated posteriorly. Not being in a position to refer to the type of *T. concolor*, it is extremely difficult to speak with decision, still I think *T. attenuata* will prove to be a valid species.

Length,  $2\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Near Howick. Taken on shrubs.

Obs.—I possess seven specimens from different localities (Otago, Wellington, and Auckland) which I refer to *T. telephoroides*; none,

however, agree exactly with the description, and two only of these seven are alike : there must, therefore, be several closely-allied species, or one exceedingly variable form not recognisable by means of the original diagnosis.

2081. **T. varians**, *n.s.* *Elongate*, subdepressed, shining, brownish-black ; back of head, base and apex of thorax, slightly rufescent ; legs nigro-fuscous ; knees and trochanters testaceous ; antennæ dull-black, base of joints 4-9 usually a little reddish ; palpi pale-testaceous ; clothed with distinct greyish or yellowish hairs.

*Head* broadly impressed between the eyes, more closely punctured on its anterior portion and behind the eyes than on the vertex. *Antennæ* elongate, filiform. *Eyes* large and prominent. *Thorax* rather broader than long, slightly uneven, coarsely and rugosely punctated, more closely on the sides, these strongly rounded. *Scutellum* transversely quadrate. *Elytra* wider than thorax at base, apices obtusely rounded, parallel-sided ; with a slight impression inside each shoulder, except near the base, strongly, closely punctured and confluent rugose. *Tibiæ* straight.

*Underside* black, finely sculptured, clothed with grey hairs.

Length,  $4\frac{1}{2}$  ; breadth,  $1\frac{1}{8}$  lines.

Mount Egmont. Mr. A. T. Urquhart. Also found near Howick.

Obs.—I cannot reconcile the above with the description of *T. telephoroides*, although the author of that species I have found to be invariably accurate. I have several specimens in my collection, obtained from different sources, which do not agree with any published description, and, moreover, scarcely any two are exactly alike. It is just possible that there may be several distinct species represented in my cabinet, but until I know more about their habits I shall regard them as varieties of *T. telephoroides*.

## Techmessodes.

*Nov. gen.*

Similar to *Techmessa*, but distinguished therefrom in the following ways :—

*Eyes* transversal, prominent, a little excised in front. *Thorax* bisinuate at base. *Tibiæ* without distinct apical spurs. *Antennæ* somewhat similar, but with the second joint very small.

2082. **T. versicolor**, *n.s.* *Elongate*, subdepressed, somewhat nitid, clothed with fine greyish or ash-coloured hairs ; elytra, most part of the head, and the antennæ black, but with the base of joints 3-11 of these latter yellowish ; thorax fulvous, the sides and back part of the head reddish or fulvous ; palpi and legs pitchy-brown, but with the knees and front tibiæ more or less testaceous ; the labrum and scutellum sometimes yellowish.

*Head* quite as broad as thorax, bearing moderately coarse distant punctures. *Eyes* large, convex, notched in front. *Antennæ* quite

half the length of the body, filiform, bearing blackish hairs; basal joint pyriform; second very small; third more than half the length of the fourth. *Prothorax* rather broader than long, its sides rounded, apex truncate, base margined and bisinuate; disc a little uneven, having a broad curved impression extending from side to side; its punctation similar to that of the head, but closer and more rugose near the sides. *Elytra* elongate, broader than thorax at base, gradually widened posteriorly; densely and rugosely punctate. *Legs* elongate, slender, tibial spurs minute.

*Underside* infuscate-black, head and prosternum fulvous; clothed with fine greyish hairs.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Waitakerei Range. Two examples.

Obs.—No. 746 belongs to this genus, and therefore becomes *Techmessodes picticornis*. Dr. Sharp (*Trans. Ent. Soc.*, 1882, p. 87) described a *Techmessa distans*, which I have no doubt is identical with No. 746. The structural details had most likely been overlooked by him.

## Group--OTIORHYNCHIDÆ.

### Cecyropa,

*Pascoe.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886.)

*Rostrum* breve; scrobes brevissimæ, profundæ; antennarum clava breviter ovalis. Tibiæ anteriores apice extus dilatato.

This is a very interesting form, reproducing in several respects the characters of one of our most familiar European weevils formerly assigned to *Cneorhinus*, but now correctly separated as the genus *Philopedon*. It differs, however, in some very important particulars: *Philopedon* is one of the genera where the mandibular scar is present, but only in a rudimentary condition; whereas in the New Zealand insect it is apparently quite absent; so that this genus cannot be assigned to the *Otiiorhynchidæ* with certainty at present.

The *rostrum* is very short and thick, and the short scrobes are very deep; they possess, however, at their upper and posterior part, a slight prolongation directed towards the undersurface of the rostrum, not towards the eye; the *mentum* is rather small, but the maxillæ are not exposed; the *scape* of the antennæ is elongate, reaching back behind the front margin of the thorax; the *eyes* are round, but little convex; the *thorax* is without the slightest trace of ocular lobes, but vibrissæ are present in a rudimentary state; the *prosternum* is not emarginate in front, and is of moderate length; the front *coxæ* are rather small, and are contiguous, though their cavities are very nearly separated; middle *coxæ* a good deal, hind very widely, separated; first *ventral segment* moderate, separated from the second by a strongly-arcuated suture, which is obliterated in the middle; *tarsi* with the third joint bilobed; the first joint of the front feet entirely concealed (viewed in front) by a prolonga-



tion of the tibiæ; truncation of hind *tibia* uniform (= "corbeilles caveuneuses," Lacordaire), and surrounded by short thick transparent setæ, which are almost spines; the hind tibia is much dilated at the apex; the claws of the tarsi are small.

*C. tychioides*, Pascoe, has the front coxæ just perceptibly more separated, the thorax is provided with well-developed vibrissæ (but, independent of these, is quite destitute of ocular lobes), and the corbels are studded with peculiar squamæ or tubercles.

The above characters are taken from *Cecyropa albicans*.

2083. **C. albicans**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 416.) *Rufa*, fere ubique albido-squamosa, *prothorace* transversim subgloboso, antice angustiore; *elytris* subtiliter seriatim punctatis, lateribus post humeros dilatatis.

Long., 5mm.

*Antennæ* with the scape covered with white scales, and bearing numerous erect setæ, the third joint rather shorter than the second, the penultimate joints transverse, the club short-ovate: *eyes* very widely separated: *thorax* broad, very much rounded at the sides, more narrowed in front than behind, and with a faint constriction behind the front; the base obsoletely margined, without channel or other impressions, uniformly covered with fine white scales, and also with minute distant setæ: *elytra* clothed like the thorax, but the setæ are even more minute; they bear regular series of fine distant punctures, and they have a lateral dilatation behind the shoulders: a minute *scutellum* is visible.

Otago. Professor Hutton; one example.

2084. **C. fumosa**, *n.s.* *Smoky-brown*, nearly black, slightly shining, legs and antennæ infusate-red; densely covered with yellowish-grey scales, but those on the rostrum, scape, and legs pure-white; setæ short, fine, and erect on the dorsum, long and hair-like on the sides, legs, and antennæ.

*Rostrum* short, dilated near antennal insertion, longitudinally grooved along the middle. *Antennæ* elongate, second joint of funiculus almost as long as first, 3-7 transverse; club short, ovate. *Thorax* strongly transverse, sides strongly rounded, more narrowed, and a little constricted, in front than behind; minutely granulate. *Scutellum* indistinct. *Elytra* broader than thorax, slightly expanded or angulated behind the oblique shoulders; moderately striate-punctate, interstices broad, minutely and closely sculptured.

*Underside* more rufescent than the upper, squamosity similar; mesosternum with definite punctures; suture of basal ventral segment strongly arcuate, not obliterated at the middle, the other segments with deep, broad, straight sutures. Prosternum incurved in front; anterior coxæ, and the coxal cavities, distinctly separated; corbels of posterior tibiæ broadly truncate, and ciliated with tubercles rather than spines or setæ.

The nearest species is *C. setigera*, from Port Chalmers. In it the second joint of the funiculus is appreciably, quite distinctly, shorter

than the first, and the club is shorter than in *C. fumosa*; the thorax is less constricted but more narrowed in front, with shorter and thicker setæ; the corbels are studded with spiniform setæ, some of which appear transparent; and the elytra are scarcely at all dilated behind the shoulders.

Length (rost. incl.),  $2\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Hokianga Harbour. Three examples, from Mr. P. Sandager.

## Stygeopetes.

*Nov. gen.*

*Body* subcylindric, setigerous. *Rostrum* shorter than thorax and one-third its breadth, parallel-sided. *Scrobes* deep, extending from near the apex to the eyes, quite lateral. *Antennæ* short; scape short and thick, incrassated towards extremity, attaining the front of the eye; funiculus 7-articulate, first and second joints nearly equal in length, joints 3-6 about equal, transverse, seventh also transverse, nearly twice the breadth of the sixth and nearly as broad as the compact, short, ovate club. *Head* short, immersed almost to the eyes. *Eyes* small, obliquely oval, coarsely faceted, but little convex, situated on the sides, more on the lower than on the upper surface, and, therefore, very widely separated above. *Thorax* subcylindric, its sides obliquely contracted in front, without distinct ocular lobes. *Scutellum* invisible. *Elytra* a little broader than thorax, and widely bisinuate, at base, very gradually narrowed posteriorly. *Prosternum* moderately emarginate in front; anterior coxæ prominent and contiguous; middle coxæ almost contiguous. *Metasternum* short, in the middle not quite as long as the mesosternum; hind coxæ widely distant. *Abdomen* large, first and second segments connate, without a trace of suture at the middle, but with an elongate depression near each side; third and fourth well developed, their sutures straight and deep. *Legs* stout; femora simple; tibiæ slightly flexuous, unarmed, expanded apically, the anterior broadly produced inwardly so as to cover a portion of the basal tarsal joint, posterior somewhat truncate along the extremity but without visible ciliæ; front tarsi widely dilated, first three joints strongly transverse, third lobate.

I am disposed to place this genus near *Cecyropa*, though it may perhaps be more nearly related to *Aphela*.

2085. **S. littoralis**, *n.s.* *Fusco-testaceous*, slightly shining; the setæ most obvious in rows on the elytral interstices, where they are erect.

*Rostrum* more or less rugosely sculptured. *Thorax* rather broader than long, widest before the middle, gradually narrowed behind, more abruptly in front; rather coarsely and rugosely punctured, but with a narrow smooth space on the middle. *Elytra* with seven dorsal rows of punctures, appearing striate when viewed sideways; interstices but little broader than striæ, with numerous

transversal furrows, so that they seem to be divided into quadrangular areas.

*Underside* of the same colour as the upper surface, sparsely setose; *mesosternum* closely and rugosely punctate; abdomen almost smooth along the middle.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Port Chalmers. Found by Mr. T. Chalmer on the sea-shore.

## Nonnotus.

*Nov. gen.*

(*Sharp; Trans. Roy. Dub. Soc., Nov., 1886.*)

Rostrum breve, crassiusculum, subcylindricum, scrobes brevisimæ. Oculi magni haud convexi superne minus distantes.

This is closely allied to *Protophormus*, from which it differs in the form of the head and rostrum, this latter being destitute of pterygia, while the head is much narrowed, and the eyes placed more on its upper face. The truncature of the posterior tibiæ is much the same as in *Protophormus*, though the truncate surface is scarcely so minute. It should be remarked that, though the rostrum is not expanded at the apex, yet the scrobes are quite visible from the front; they are very deep at the insertion of the antennæ, but very short and very indefinite behind. The structure of the antennæ, and indeed all the other characters, seem nearly the same as in *Protophormus*.

2086. **N. griseolus**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc., Nov., 1886, p. 419.*) Angustulus, squamulis pallide griseis vestitus, antennis tarsisque rufis, tibiis rufo-obscuris; prothorace subtransverso lateribus rotundatis.

Long., 5mm.

*Antennæ* rather long, second joint longer than the third, eighth hardly so long as broad, club large, elongate-oval; *rostrum* punctate, the squamosity not so dense as on the elytra; *eyes* large, but not at all convex; *thorax* evidently broader than long, even, without impressions or rugosities, the sides a good deal rounded, more narrowed in front than behind, the surface rather closely punctate, but the punctuation almost concealed by the pallid squamosity; *scutellum* rather small; *elytra* rather densely and uniformly covered with very pallid scales, and bearing minute pallid hairs, very finely striate.

Otago. Professor Hutton; a single example.

2087. **N. eclecticus**, *n.s.* *Convex*, narrow, densely covered with somewhat testaceous or brassy scales, and fine pale yellowish setæ; body and legs almost wholly pale reddish-chestnut, tip of beak and antennæ red.

*Rostrum* as long as thorax, cylindric, slightly dilated near antennal insertion, indistinctly carinate, punctate, nearly nude in front. *Scape* attaining front of thorax, gradually thickened; basal



joint of funiculus larger than second, third and fourth longer than broad; club elongate-oval. *Thorax* subtransverse, base and apex truncate, without ocular lobes, rather narrower in front than behind; finely and sparingly punctured along the middle. *Scutellum* small. *Elytra* oblong, scarcely at all curvate laterally, base feebly arcuate and broader than thorax, humeral angles oblique; substriate, finely punctate, interstices simple. *Legs* robust, femora somewhat clavate; tibiæ flexuous, the posterior a little expanded at the extremity, their corbels narrowly cavernous; tarsi rather short and thick, third joint truly bilobed.

Length (rost. incl.),  $3-3\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Otago. Mr. T. Chalmer; two examples.

2088. **N. pallescens**, *n.s.* *Body* pale fusco-testaceous, covered with depressed grey scales and yellowish setæ; antennæ and rostrum reddish.

In form resembling *N. electus*; base of *elytra* truncate, their punctuation fine and close, so as to appear more striate, interstices broader, particularly the second, in *N. electus* the third and fifth seem a little wider than the others and the rows of punctures look as if arranged in pairs; *antennæ* shorter, articulations of funiculus gradually incrassate, second joint much shorter than first, joints 3 and 4 quadrate, succeeding ones transverse; *tibiæ* much thickened, armed with well-developed spiniform denticles.

Length (rost. incl.),  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Near Lake Tekapo. One; Mr. T. F. Cheeseman.

## Protophormus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 416.)

*Rostrum* breve, crassum, pterygiatum, scrobes brevissimæ. *Oculi* subconvexi, a prothorace remoti; *antennæ* elongatæ, scapo oculos superante, prothoracis marginem attingente. *Prothorax* subcylindricus, lobis ocularibus nullis.

This insect is very similar in facies to the European genus *Phyllobius*, from which it differs by the development of the *pterygia*, and also by the fact that, whereas in *Phyllobius* the tip of the hind tibiæ is edge-like and bears only one series of setæ, it is here minutely truncate and bears two closely-approximated series of ciliæ, so that the "corbeilles cavernueuses" of Lacordaire are here present in a rudimentary state, though this structure is so minute that the corbeilles would be said to be open by Lacordaire had he known the insect. There are also other important differences from *Phyllobius*, such as that in *Protophormus* the hind coxæ are widely separated; the mentum is small, but fills the buccal cavity; the mandibular scar is present; the front coxæ are small and contiguous, and placed not very far from the front margin of the prosternum, which is not at all emarginate; the metasternum is rather short, about

as long as the first ventral segment in the middle, the second ventral segment is rather short.

Although the insect does not much resemble *Otiorynchus* in appearance, yet it appears very closely allied thereto, the only character, in fact, which distinguishes, so far as I see, the two with certainty being the slightly cavernous corbeilles of *Protophormus*.

2089. **P. gracilis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 417.) *Angustior*, fusco griseoque squamosus, plus minusve variegatus, antennis rufis; *thorace* subcylindrico, medio vix dilatato, longitudine vix latiore.

Long., 5mm.

*Antennæ* elongate, second joint longer and stouter than the third, eighth joint about as long as broad, club large, very elongate oval: *rostrum* not grooved, the front of the eye placed about half the distance between the front of the thorax and the insertion of the antennæ: *thorax* much narrower than the elytra, only very slightly broader in the middle, and minutely narrowed in front, the surface densely squamose, not at all uneven or rugose; scutellum small: *elytra* variable in the colour of their clothing, usually brown, mottled with grey, but sometimes nearly concolorous, there remaining always a more or less distinct pallid mark at each side near the hind femur; they bear striæ of fine punctures and a few fine setæ, and the fifth interstice is a little raised or subnodulose in front of the apex: this is acuminate; the front tibiæ are flexuose inwardly, and mucronate at the apex.

Greymouth. Helms. Professor Hutton found a closely-allied species in Otago, and sent me a good series of the sexes in 1879. This is, I have no doubt, the insect described by Broun as *Catoptes cuspidatus* [*Tigones cuspidata*, *Man. N.Z. Col.*, April, 1886, p. 857.—T. B.]; the female is well distinguished from *P. gracilis* by the produced apices of the elytra, and by the bare tubercle on the thorax; these characters, however, are not present in the male, and this sex can only be distinguished from *P. gracilis* by the thorax being rather less cylindric, and having the sides a little more dilated in the middle.

2090. **P. binodulus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 418.) *Fusco-* vel griseo-squamosus, vix variegatus, antennis rufis; *thorace* subcylindrico antrorsum paululum angustato; *elytris* minus elongatis ante apicem binodulosis.

Long., 6mm.

Slightly larger and more robust than *P. gracilis*, and readily distinguished by the existence of a longitudinal nodule or elevation on the third interstice, just at the commencement of the apical declivity. The surface is densely covered with scales varying in colour according to the example, but scarcely at all variegate; the *prothorax* is elongate, and its surface bears some very obsolete rugæ; the *elytra* possess regular series of rather large punctures, and, in addition to the nodule on the third interstice, there is a very slight



elevation of the fifth interstice, a little more to the front than the other elevation.

Greymouth. Helms. Mr. Helms identified the sexes of this species for me by observation of the living insects. The male appears to be rather more slender than the female.

2091. **P. robustus**, *n.s.*, (*Sharp* ; *Trans. Roy. Dub. Soc.*, 1886, p. 418.) *Latior*, griseo-squamosus, antennis pedibusque piceis ; *prothorace* rugoso ; *elytris* ante apicem nodulosis, apicibus productis acuminatis (an *feminæ tantum?*), medio ante apicem pallido-squamoso.

Long., 8mm.

This is distinguished from the other species not only by its larger size, but also by the more uneven surface and broader scutellum. The *rostrum* is carinate along the middle and minutely foveate between the eyes ; the surface of the *thorax* has numerous coarse rugæ ; the broad *elytra* also have the surface uneven, and bearing series of rather coarse distant punctures, each of which is occupied by a more pallid scale, the interstices present here and there slight longitudinal elevations, the third, fifth, and seventh have each a more distinct elevation at the commencement of the declivity, that nearest the suture being much the larger ; behind these two larger elevations the surface extending to the apex is densely clothed with more pallid scales, and on either side there is a large patch of darker (nearly black) scales ; the apices are prolonged.

Otago. Professor Hutton ; one example. This is probably a female, and from analogy with *P. cuspidatus* it is possible the male may have the apices less produced. The species bears a superficial resemblance to *Catoptes*, from which the form of the head and anterior parts of the thorax readily distinguish it. The tips of the posterior *tibiæ* are even less cavernous than they are in *P. gracilis* ; so that, had it not been for my previous knowledge of that insect, I should have considered the corbels as open in the present insect, yet a really careful inspection shows that they are truly cavernous in a rudimentary manner. The sculpture and form of the insect are very similar to those of *Empæotes censorius*, Pascoe ; but that has a less pterygiate rostrum, with definite scrobes directed towards the front of the eye.

### Tigones.

2092. **T. aulica**, *n.s.* *Body* shining pitchy-black, legs pale rufo-castaneous, antennæ reddish ; densely covered with small, round, grey (tinged with red) scales ; setæ slender and inconspicuous except those in the elytral punctures, where they are somewhat squamiform.

*Rostrum* robust, not perceptibly carinate, densely clothed. *Antennæ* rather thickly clothed with greyish hairs, not setæ ; second joint of funiculus as long, or almost as long, as the first ; third nearly equalling the preceding one ; joints 4-7 moderate ; club oblong-oval, acuminate, bearing minute brassy setæ. *Thorax* about as long as broad, a little constricted in front, its sides very obtusely rounded ;



with numerous punctures destitute of squamosity, causing a spotted appearance, a fine hair only proceeds from each of these punctures. *Scutellum* large. *Elytra* ample, suboblong, apices divergent but not produced; striate-punctate, third and fifth interstices rather broader than the others, scarcely at all raised anywhere, without perceptible nodosities behind. *Legs* stout, posterior corbels extremely narrowly cavernous.

A large, very distinct species, very uniformly coloured, excepting the remarkable black spots on the thorax. The form very similar to *T. diversa* and Dr. Sharp's *Protophormus gracilis*. The front tibiae are but little bent.

Length (rost. incl.),  $4\frac{1}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Mount Egmont. Mr. A. T. Urquhart was kind enough to give me the only specimen he found.

2093. **T. variegata**, *n.s.* *Subconvex*, moderately narrow; fuscous, legs infusate-red, tarsi and antennae rufous; densely covered with small round scales, some dark-brown, some testaceous, others greyish; setae upright, pallid.

*Rostrum* punctate, not distinctly carinate; anterior half rufous, not squamose, having only grey hair-like setae. *Scape* moderately thickened apically; second joint of funicle almost as long as but much more slender than first; club oblong-oval. *Thorax* rather longer than broad, subcylindric, widest at the middle, posterior angles protruding laterally in the form of distinct denticles; its surface punctate. *Scutellum* small, subtriangular. *Elytra* much broader than thorax, oblong; dorsum nearly plane, their striae and punctures rather fine, suture elevated behind, fifth interstices a little raised just behind top of hind slope, third scarcely visibly elevated; apices not divaricate, scarcely prolonged, acuminate. *Tibiae* finely denticulated along the front or inner face.

The pallid marks seen in *T. gracilis* (Dr. Sharp's *Protophormus gracilis*) are here quite obsolete, the front tibiae are much less bent, and the form of the thoracic angles is altogether different.

Length (rost. incl.),  $2\frac{3}{8}$  lines; breadth, 1 line.

Mount Arthur. Two examples; Mr. T. F. Cheeseman.

2094. **T. scutellaris**, *n.s.* *Robust*, fuscous; antennae and tarsi rufous; squamosity thick, somewhat testaceous; setae rather fine, not erect.

*Rostrum* indistinctly carinate, apex sparsely pilose. *Thorax* narrow, widest before the middle, a little incurved behind the eyes; base bisinuate, and rather wider than the sides just in front of it, but without well-marked protuberances; its punctuation covered. *Scutellum* broadly triangular. *Elytra* subcordate, shoulders oblique, apices not acuminate; striate-punctate, punctures rather elongate; third and fifth interstices nodose behind, nodosities on the fifth smaller, and not so far back as those on the third; there is also a very much smaller one on the apical portion in line with the fifth interstice, where the suture is convex.

More robust than the preceding, hind-body more cordiform. The short, broad scutellum is characteristic.

Length (rost. incl.), 3 lines; breadth, 1 line.

Mount Arthur. Mr. T. F. Cheeseman brought me a specimen.

2095. **T. cruda**, *n.s.* *Body* rather long and narrow, form nearer *T. scutellaris* than any other species; opaque, covered with greyish sappy matter, scales, and setæ; the setæ on thorax decumbent, disposed transversely, those on elytra also more or less depressed, arranged longitudinally, most conspicuous on fifth interstices; blackish, funiculus rufous.

*Rostrum* obsoletely carinate, very finely and distantly punctated. *Thorax* subcylindric, widest near the front, sides sinuated behind towards the base, which, though rather wide, is not obviously angulated; its surface uneven, and rather finely punctured. *Scutellum* small. *Elytra* bisinuate at base, shoulders oblique, sides subparallel, narrowed but not acuminate apically; their series of punctures large; third and fifth interstices more or less evidently raised and nodose at the top of the hind slope. *Legs* long and stout, as are also the tarsi.

The eyes are rather more angulated below, towards the front, than is usual. The first and second joints of the funiculus do not differ materially in length or thickness. The elytral punctures are rather coarse. Prosternum slightly and widely incurved in front. Metasternum depressed in front of the coxæ. Palpi exposed. Mentum short.

♂. Length (rost. incl.), 3 lines; breadth, 1 line.

Mount Arthur. Mr. T. F. Cheeseman; one individual. A second, probably the female, is distinguished by the broader hind-body.

2096. **T. antennalis**, *n.s.* *Variegate*, the scales on the beak and thorax almost testaceous, on the hind-body more rufescent, with some white ones scattered along the rows of punctures for the most part; derm pitchy-red, antennæ and tarsi rufous.

Closely resembles *T. variegata*; *eyes* of rather more rounded outline; *scutellum* more oblong; thoracic angles with grey seta-like scales but not protuberant; *elytra* a little depressed transversely before the middle, third and fifth interstices but little raised, suture convex at summit of declivity; *antennæ* more elongate, second joint of funiculus almost as long as first, very slender and stalk-like at base, but quite nodose at apex, a structure that distinguishes this species from all but No. 1233. The elytral punctures are narrow, elongate, and quite uncovered.

Length (rost. incl.), 2½ lines; breadth, 1 line.

Waitakerei Range. Two examples.

OBS.—The name *Asaphia* being preoccupied, the typical species, No. 1233, is attached to *Tigones*, and No. 1234 is abandoned as a distinct species at present, the typical specimen being in bad condition and probably only a sexual variety. The antennæ of

No. 1233 are elongate, the scape is narrow and flexuous, and the second joint of the funiculus is very slender at the base and more swollen at the end than in *T. antennalis*.

2097. **T. diversa**, *n.s.* Body covered with small, obscure fusco-rufous and greyish scales, the latter sometimes assuming the form of a fascia between the hind thighs; setæ fine, very fine in the elytral punctures, most obvious on the raised parts, all yellowish, or nearly so.

The form is similar to that of *T. variegata* and *Protophormus gracilis*, Sharp; it is more robust, and, with the exception of very moderately developed interstitial nodosities, almost devoid of inequalities of surface, the nodosities on the third interstices are in advance of those on the fifth, the suture is raised behind, the apices are only obtusely divergent and not prolonged.

Length (rost. incl.),  $3\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$ – $1\frac{1}{4}$  lines.

Mount Arthur. Collected by Mr. T. F. Cheeseman.

2098. **T. rufula**, *n.s.* Subopaque, obscure-red, densely covered with small, depressed, greyish-testaceous scales and setæ.

Rostrum rather shorter than the thorax, feebly unicarinate, its apex nude and shining. Scape very gradually thickened, squamose as well as setose; basal joint of funiculus evidently longer than the second; club elongate, triarticulate, finely pubescent. Head finely transversely wrinkled behind. Thorax rather longer than broad, cylindrical, slightly dilated near the front; punctate, somewhat uneven, rugose. Scutellum small, raised, white. Elytra about twice the breadth of the thorax, shoulders moderately rounded, a little wider near the hind thighs, much narrowed and declivous behind, apices divergent and subacuminate; they are only slightly convex, with series of rather elongate punctures, appearing more sulciform at the sides; third interstices a little elevated at the base and forming a large nodosity on top of the declivity, the fifth with a much less conspicuous nodiform elevation situated a little further forward, and with a still smaller one on the slope itself.

Agrees in some respects with Dr. Sharp's *Protophormus binodulus*, but there is a wide, though only slight, outward curvature behind the eye representing an ocular lobe, and the front of the prosternum is slightly incurved. The posterior corbels are moderately cavernous. The second ventral segment is as long as the first at the side, the third and fourth are very short.

Length (rost. excl.),  $2\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Wellington. One example, from Mr. Sandager.

### Epitimetes.

2099. **E. wakefieldi**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 420.) Niger, indumento sordido fusco-squamoso; protho-



*race* latiusculo antennis angustato ante medium foveolato; *elytris* apicem versus obsolete tuberculatis.

Long., 8mm.

The whole surface is covered with a mixture of exudation and scales, giving it a uniform dark colour, the setæ projecting through this clothing; the second and third joints of the *antennæ* are slender and elongate, subequal in length; the very short thick *rostrum* is a little depressed between the eyes and carinate along the middle: the *thorax* is broad, not narrowed at the base, but rather abruptly narrowed in front; it is rugose, and has a vague depression along the middle, which near the front becomes conspicuous, it is also a little depressed on either side: the *elytra* are broader than the thorax, and have the third, fifth, and seventh interstices a little raised; this elevation terminates as a slight tubercle on the third and fifth interstices in front of the declivous apex; and, on the fifth, there is another small tubercle behind the front one; the seventh interstice has no tubercle behind, but at the shoulder becomes so strongly raised as to form a lateral margin: the serial punctuation is obscured by the clothing.

Christchurch. C. M. Wakefield, Esq. Though very different in form from *E. lutosus*, Pascoe, this species seems quite to agree with it structurally.

OBS.—Dr. Sharp redescribes the genus on the preceding page of the *Transactions of the Royal Dublin Society*.—T. B.

#### EPITIMETES, Pascoe.

*Corpus* robustum, dense squamosum, setosum. *Rostrum* breve crassum; *scrobes* perbreves. *Antennæ* elongatæ scapo gracile, prothoracis marginem attingente. *Prothorax* latiusculus, lobis ocularibus nullis. *Corbellis* posterioribus leviter cavernosis.

There can be no doubt as to the position of this genus, which should be between *Protophormus* and *Platyomida*; it is very different from the former genus in appearance, and differs in numerous details, the eyes are more pointed below, the rostrum thicker and more quadrate, and the hind coxæ extremely widely separated; the *scrobes* are very short and their posterior part excessively vague, as in *Protophormus*, but nevertheless taking a different direction, being, in fact, directed towards the lower part of the front of the eye, not to the undersurface of the head; the posterior corbels are very evidently, though not broadly, cavernous; the short rostrum and obsolete *scrobes* readily distinguish the genus from *Platyomida*; there is no trace of ocular lobes, and the short prosternum is but little emarginate in front; the metasternum is excessively short, and the intercoxal process of the first ventral segment extremely broad, quite truncate in front; the second ventral segment much shorter than the first; the facies is quite similar to that of *Bra-chyolus*, which, however, has a well-marked ocular lobe.

NOTE.—For *Protophormus* read *Tigones*.—T. B.

### Platyomida.

2100. **P. simulatrix**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 421.) *Minor*, griseo-squamosa, haud variegata; *prothorace* cylindrico, rugoso; *elytris* interstitio tertio longitudinaliter ante declivitatem magis elevato.

Long., 6mm.

This is extremely similar to *Protophormus binodulus*, but the surface is more uneven, though the apical nodules are less developed; the *scape* of the antenna is rather short, the apical portion much incrassate, the short broad *rostrum* has on the middle two very short feeble grooves, separated by a slight carina; the *thorax* is remarkably cylindric, and its surface coarsely rugose; the *elytra* bear regular series of rather coarse punctures, and the third interstice has an elongate, slight elevation at the commencement of the apical declivity; only a very slight elevation of the fifth interstice can be detected, and this is elongate, not in the least nodular.

Greymouth. Helms; a single example. Though so similar to *Protophormus* [*Tigones*.—T. B.] *binodulus*, the species will be readily separated therefrom by the deep elongate scrobe attaining very nearly the front margin of the eye. It is very closely allied to *P. (Empæotes) censoria*, Pascoe, but scarcely attains the size of the smallest examples of that species, and is readily distinguished by the absence of the nodules seen in *P. censoria*.

OBS.—Dr. Sharp describes another species (*P. coronata*), which, being the same as No. 1415 (*P. amota*), is omitted here.—T. B.

2101. **P. depressa**, *n.s.* *Fuscous*, densely covered with grey scales, and small setæ, antennæ and tarsi ferruginous.

*Rostrum* bisulcate; scrobes not quite reaching the lower margin of the eyes. *Scape* setose, reaching the back part of the eye; the two basal joints of the funiculus equally elongate. *Thorax* broader than long, rugose. *Elytra* rather flat but uneven, with series of moderately large punctures, these become still larger towards the sides; the posterior portion is almost quite perpendicular, and the prominences on its summit are on the same plane as the disc; the third interstices are elevated at the base, and there is a transverse elevation near each hind thigh.

Compared with *P. censoria* this is more slender, elongate, and flatter. The sculpture of the thorax consists, for the most part, of rounded elevations. The elytra do not slope from behind the middle towards the top of the declivity, so that they appear more *Inophleus*-like. There is an outward curvature of the front margin of the thorax, at the side, which, I think, may be called the ocular lobe. The posterior corbels are distinctly cavernous. The eyes are quite orthodox.

Length (rost. incl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Moeraki. One, from Mr. Sandager.

OBS.—As Dr. Sharp and I consider Mr. Pascoe's *Empæotes* to be the same as White's *Platyomida*, the former name must be abandoned. *Platyomida* now consists of the following species:—

776. <i>P. binodes.</i>	1516. <i>P. enysi.</i>
777. <i>P. censoria.</i>	1677. <i>P. æqua.</i>
778. <i>P. aculeata.</i>	775. <i>P. hochstetteri.</i>
779. <i>P. perniciosa.</i>	2100. <i>P. simulatrix.</i>
1235. <i>P. apicale.</i>	2101. <i>P. depressa.</i>
1415. <i>P. amota.</i>	

—T. B.

## Aporolobus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 421.)

*Corpus* parvum, indumento obscuratum, setosum; *antennæ* scapo crasso; *rostrum* breve, *scrobes* profundæ, foveiformes; *coxæ* anteriores sat distantes; *loba ocularia* obsoleta.

This genus cannot be associated with *Trachyphlæus* on account of the separated anterior *coxæ*; and, moreover, although the 'ocular lobes' are excessively rudimentary, yet it is clear the genus is correctly placed in the group characterized by the possession of the lobes in question. In *Aporolobus* the *prosternum* is markedly emarginate, the *eyes* are placed near the thoracic margin, and extend slightly downwards rather than forwards; these characters being usually correlative with the ocular lobes, and the lobes themselves being faintly indicated, there can be, I think, no real doubt as to the position of the genus. The separation of the front *coxæ* is exhibited by only a few genera of Otiiorhynchidæ, though it is here conspicuous. The *coxæ* are small and very little prominent; the *metasternum* is excessively short, the second ventral segment is of moderate length, and the posterior *corbels* are not cavernous; the mandibular *scar* is quite perceptible; the *tarsi* are quite of the *Trachyphlæus* type, very short, with very broad third joint, the lobes of which, however, are short. The only species known to me is *Trachyphlæus irritus*, Pascoe.

The presence or absence of ocular lobes is at present considered of primary importance in the classification of the Otiiorhynchidæ, but, if there should prove to be many genera in which it is as vague a character as it here is, it will be impossible to treat it as a character of primary importance.

## Notiopataæ.

*Nov. gen.*

*Body* *Trachyphlæus*-like, setose. *Rostrum* moderately short, frontal grooves obsolete. *Scrobes* not foveiform. Anterior *coxæ* prominent, large, moderately separated.

This genus should be located after *Aporolobus*, from which it differs by possessing larger but not so widely, yet quite distinctly, separated front *coxæ*. The *scrobes*, instead of being foveiform, extend to just below, but do not quite reach the eyes; they are quite evident from above. The *rostrum* itself is much longer, and is



not pinched in, as it were, towards the eyes. The eyes are obliquely oval, perfectly free from the thoracic margin, and directed downwards. No scutellum is visible. The ocular lobes are obsolete. The prosternum is widely but not deeply emarginate in front, with a transversal elevation before the coxæ. The mandibular scar is easily seen. The corbels of hind tibiæ are fringed with setæ. The scape reaches just beyond the front margin of the thorax.

2102. **N. setifer**, *n.s.* *Convex*; fuscous, tarsi and funiculus red, scape and legs infusate-red; clothed with fine, depressed, yellow, and coarse upstanding fuscous setæ, the yellowish setæ on thorax more erect and abundant than those on the hind-body, where they are formed like the letter V.

*Rostrum* nearly nude in front. *Scape* asperate except at base; basal joint of funiculus much stouter but not much longer than second; club ovate. *Thorax* quite as broad as long, widest, almost swollen, before the middle, base and apex truncate; a little uneven, its true sculpture hidden by the covering. *Elytra* broadly oval, of the same width as thorax at the base, shoulders narrowed, apex rounded, almost perpendicularly, the sides inflexed; not striate, but bearing series of punctures.

*Underside* a little shining, finely rugosely sculptured. *Meta-sternum* very short. First and second abdominal segments nearly equal, with a well-curved suture.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Mr. George Munro was kind enough to give me two specimens which he found near Clevedon, on the muddy ground near the Southern Wairoa.

### **Pælocharis.**

*Nov. gen.*

*Body* broad, especially the hind-body. *Rostrum* moderately short and thick. *Scrobes* deep, directed towards the underside of the head just clear of the eye, but with a squamose interval. *Scape* thick, setose, reaching front of thorax. *Eyes* obliquely oval, placed near the thoracic margin. *Thorax* without distinct ocular lobes, base and apex truncate. No *scutellum*. *Hind-body* convex, twice the width of thorax but narrowed to its width at the base. *Femora* medially clavate; *tibiæ* flexuous, the anterior produced to a point inwardly, the posterior a little expanded at the extremity but not cavernous, having but one cilia. *Prosternum* widely but not very deeply emarginate in front; *coxæ* prominent but not widely separated. Hind-margin of *mesosternum* sinuous; it is rather flat, but on a higher level than the very short *metasternum*. *Abdomen* with the basal two segments large, nearly equal, with curvate suture. Mandibular scar perceptible.

The separation of the front coxæ is as complete as it is in *Notiopatæ*; they are much more prominent and nearer to each other than in *Aporolobus*, which, besides, has longer antennæ and a thicker scape, particularly near its base. The former genus is its nearest ally.

2103. **P. inflata**, *n.s.* *Convex*, suboviform; pale-castaneous, sparingly clothed with minute decumbent, slender, yellow scales, and upright, conspicuous, greyish setæ.

*Rostrum* with a smooth median line, but not markedly carinate. *Scape* with slender scales and erect setæ; club ovate. *Thorax* broader than long, rounded laterally, narrower in front than behind; not regularly punctured but having some rather large shallow cavities. *Elytra* obtusely rounded at the sides; striate-punctate, almost striate behind.

No. 756 belongs to this genus, and must now become *Pælocharis corpulenta*. The elytra differ in form from those of the typical species; their sculpture, though similar, is not so well marked, and they bear many greyish, fine, hair-like setæ near the top of the hind slope; the thorax, which is quite opaque, is more dilated medially, appears free from punctuation, and bears many coarse dark setæ; the scape is more incrassate towards the end, and is somewhat bent.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Found on muddy ground, Mount Manaia, Whangarei Harbour.

### Protolobus.

*Nov. gen.*

(*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 422.)

*Corpus* parvum, indumento obscuratum, setosum; *antennæ* scapo crasso; *rostrum* breve crassum, scrobes modice elongatæ parum distinctæ; *coxæ* anteriores contiguæ; *loba* ocularia parum distincta.

This is undoubtedly closely allied to the preceding genus (*Aporolobus*), though the front *coxæ* are in the normal condition as to contiguity; the *scrobes*, too, are differently constructed, instead of being broad and deep cavities tending directly upwards towards the front and anterior part of the eye they are here finer, and their terminal portion, though not very distinct, is directed towards the undersurface of the head; the *metasternum* is short, but not so extremely short as it is in *Aporolobus*; the other characters seem to be much the same as in that genus. I refer two species to the genus. Of the three individuals I have seen, two show the minute *palpi* visible at the front of the mentum; I am not sure whether this may not be abnormal.

2104. **P. obscurus**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 422.) *Longulus*, indumento grisescente vestitus, parcius albidosetosus; *prothorace* elongato, subcylindrico.

Long., 3mm.

*Antennæ* with the third joint only half as long as the second, club elongate-oval, acuminate; *eyes* widely separated, and very little visible from the front; *thorax* elongate, subcylindric being nearly straight at the sides; *elytra* rather narrow and elongate. No *sculpture* can be seen owing to the dense exudation with which the surface is covered; but the setæ project through this, and on the

elytra form regular series. There is a slight appearance of nodulosity on the commencement of the declivity of the wing-cases.

Otago. Professor Hutton. The second species of the genus is from the same source, and may perhaps be *Trachyphlæus parvulus*, Pasc.

### Catoptes.

2105. **C. caliginosus**, *n.s.* *Elongate*, convex, opaque, black; tarsi and funiculus dark pitchy-red; densely covered with blackish and greyish-yellow scales and pallid setæ, the pale scales sprinkled over the surface, not forming definite spots.

*Rostrum* feebly carinate, upper margins of scrobes a good deal raised, so that there seems to be a considerable depression between them. *Antennæ* elongate; second joint of funiculus a little shorter than first; club elongate-oval, acuminate. *Thorax* rather longer than broad, its greatest breadth before the middle, obliquely impressed near the front angles, with a slight linear depression in front of the small scutellum. *Elytra* inarcuate near scutellum, humeral angles obliquely rounded, sides but little curved, narrowed posteriorly, elongate, convex; with rows of deep, distant punctures; third and fifth interstices obtusely projecting at base, slightly elevated almost to the apices, forming only inconspicuous nodosities on top of hind slope; suture raised apically. *Legs* long and stout, corbels of hind tibiæ narrowly cavernous, the space between the two rows of ciliæ linear.

*Underside* very hairy; abdomen with reddish scales near the sides, its two basal segments broadly impressed or flattened. Mandibular scar distinct.

This may be compared with *C. pilosellus*, from which it differs in being considerably larger, with a longer thorax destitute of the small, almost rugosely-tuberculate inequalities seen in that species. The ocular lobes consist of only broad slight projections of the sides; prosternal emargination large; eyes somewhat flattened.

Length (rost. incl.),  $3\frac{1}{4}$ – $3\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Hooper's Inlet, Port Chalmers. One, from Mr. T. Chalmer.

2106. **C. posticalis**, *n.s.* *Narrow*, convex, blackish, tibiæ, tarsi, and antennæ obscure fusco-rufous; squamosity dense, consisting of small, round, depressed, ash-coloured, or pale-brown and darker scales, setæ stout, rather short, greyish.

*Rostrum* distinctly carinate. *Antennæ* rather short, basal joint of funiculus distinctly larger than second, joints 4–7 short, club elongate, acuminate. *Thorax* transverse, widest very near the front, where there is a constriction at each side, almost tumid there, very gradually yet a good deal narrowed behind; there are no superficial asperities whatever, but there is an obscure depression near each hind angle. *Scutellum* small. *Elytra* cordiform, considerably broader than thorax at base, shoulders curved, gradually narrowed as far as hind thighs, abruptly beyond them, they are on a higher level than the thorax; third and fifth interstices a little elevated,



fifth but slightly nodose behind ; sutural region prolonged backwards much behind top of posterior slope (as limited by nodosity of fifth interstice), sloping downwards, but ending suddenly in a sort of nodosity, below this point the apex is perpendicular, narrow, and of a pallid, yellowish-grey colour ; the discoidal punctures are rather elongate, shallow, and distant. *Tarsi* short and thick, lobes of third joint (posterior) thick, yet not much expanded.

In order to identify this species at a glance it is only necessary to examine the posterior portion of the hind-body sideways.

Length (rost. incl.),  $3\frac{1}{4}$  ; breadth,  $1\frac{1}{4}$  lines.

Taieri, Otago. One example, from Mr. S. W. Fulton.

2107. **C. humeralis**, *n.s.* *Variegate*, scales on rostrum greyish but with a pinkish hue, on body light-brown with a few grey ones, grey scales however entirely cover the shoulders, an ill-defined lateral vitta, the usual oblique, interrupted, posterior fascia, and a portion of the apex ; setæ rather fine, greyish ; body fuscous, legs pale-brown, antennæ red.

*Rostrum* very finely carinate. *Thorax* rather long, widest just before the middle, more suddenly narrowed in front than behind, with two medially-interrupted, transverse, ill-defined elevations behind its widest part, otherwise not asperate. *Scutellum* small, sunk. *Elytra* rather narrow, yet wider than thorax, shoulders rounded (widely), their greatest width just behind these, from thence posteriorly narrowed ; disc but little convex, bearing rows of well-marked punctures, suture slightly raised alongside the scutellum and again beyond the top of hind slope ; third and fifth interstices also a little raised and nodose behind. *Funiculus* with the first two joints equal ; club elongate, acuminate. *Tarsi* long, lobes of third joint of the posterior broad.

Perhaps this may be best placed near *C. pilosellus* (No. 1517), but the short irregular rugosities or slight inequalities on the thorax are here absent, the insect too is considerably larger, differently coloured, &c.

Length (rost. incl.),  $3\frac{1}{4}$  ; breadth,  $1\frac{1}{4}$  lines.

One from Hooper's Inlet, Port Chalmers. Mr. T. Chalmer.

2108. **C. chalmeri**, *n.s.* *Robust*, fuscous, legs paler, tarsi fusco-testaceous, antennæ dark-red, rostrum mostly pale-chestnut ; squamosity dense, nearly testaceous (sometimes with a reddish tint) and grey, the latter inconspicuous except on the posterior nodosities ; setæ sparsely distributed, greyish.

*Rostrum* finely but distinctly ridged. *Thorax* nearly as long as broad, almost regularly rounded laterally, yet somewhat wider just before the middle than elsewhere, obliquely and broadly impressed in front, more or less rugose. *Scutellum* distinct, rufescent. *Elytra* ample, very gradually narrowed towards the extremity, humeral angles only slightly rounded ; their rows of punctures well marked but not coarse, and rather distant from each other ; third and fifth

interstices a little elevated, nodose behind, nodosities brown in front but grey behind; posterior declivity not abrupt.

Quite distinct from *C. humeralis*. In that species the head and front of thorax form a continuous outline, owing no doubt to the thin, so to speak, thoracic margins; here the width of the head is evidently less. The basal portion of the elytra is broader and the sides more parallel. The antennæ are rather longer but the second joint of the funiculus is thicker and shorter than the corresponding one in *C. humeralis*, being about one-third shorter than the first. The scutellum is not depressed. There is no subapical fascia. The apices, though divergent, do not cause a sutural gap.

Length (rost. incl.),  $3\frac{1}{4}$ ; breadth,  $1\frac{1}{4}$  lines.

Named in honour of the gentleman, Mr. T. Chalmer, to whom I am indebted for many interesting Coleoptera. It was found at Hooper's Inlet.

2109. **C. asperellus**, *n.s.* *Narrow*, convex; squamosity dense, principally fuscous or ash-coloured, but with a few paler scales; setæ pallid, coarser on the sides and apex of hind-body than elsewhere; derm blackish, tarsi and antennæ pitchy-red.

*Rostrum* finely carinate. *Antennæ* moderate, second joint of funiculus slender, and shorter than first; club ovate, acuminate. *Thorax* not so broad as long, widest before the middle, broadly and obliquely impressed in front, indistinctly sulcate near base, irregularly rugose. *Scutellum* oblong, depressed. *Elytra* rather narrow, wider than thorax, shoulders slightly curvedly narrowed, sides slightly rounded, posterior declivity gradual, apices divergent but not acute; striate-punctate, here and there with small irregular raised intervals between the distant punctures; third and fifth interstices not appreciably elevated near the base, and only feebly nodose behind.

This, I think, can only be compared with No. 1517 (*C. pilosellus*) and its nearest allies. The beak is more obviously carinate along the middle. The base of the elytra is closely adapted to that of the thorax, so that the scutellar incurvature noticeable in that species is absent, the elytra are somewhat narrower and more uneven above. The form of the hind tibiæ is different, being bent forwards (inwards) pretty much in the same way as in No. 1519 (*C. tibialis*), which species is, however, quite dissimilar, having a minute scutellum without the least swelling of the wing-cases alongside it.

Length (rost. incl.), 3 lines; breadth, 1 line.

From the same source as the preceding one.

2110. **C. cheesemani**, *n.s.* *Opaque*, black, antennæ red, legs fusco-rufous, tarsi paler; densely covered with round, depressed, pale-brown scales and pallid erect setæ, these latter most conspicuous in rows on the elytral interstices, on apical portion of suture, and on the small nodosities on top of hind slope on third interstices.

*Rostrum* as long as thorax, feebly carinate. *Antennæ* elongate,

the scape reaching just beyond front margin of thorax, very gradually and very slightly thickened; second joint of funiculus quite as long as first; club elongate-oval, acuminate. *Eyes* just free. *Thorax* not longer than broad, its greatest breadth just before the middle, very little narrower in front than behind, not uneven, with a few blackish scales intermingled with the others, and near each side, at the base, forming a more or less evident dark spot. *Scutellum* invisible. *Elytra* not much broader than thorax, shoulders narrowed, apices simple; finely striate-punctate; interstices broad, third and fifth very little elevated, third with a small posterior nodosity, suture raised along the hind slope. *Legs* stout, tibiae flexuous, the hind pair with their front face bent inwards.

Male. Fovea on the middle, in front, of metasternum, its basal ventral segment medially impressed; the last, too, is impressed.

*C. obliquisignatus*, though very similar, is more highly coloured, has a rather shorter snout, and a small but distinct scutellum, and the hind-body is shorter and broader. The form of the posterior tibiae, however, distinguishes this species from most of the others; those having similarly-bent tibiae may be easily separated.

♀. Length (rost. incl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{3}{8}$  lines.

Mr. T. F. Cheeseman was kind enough to bring me a pair from the Kermadec Islands when they were proclaimed part of the Queen's dominions.

2111. *C. decorus*, *n.s.* Squamosity fine, dense, variegate, mostly greyish-testaceous, with, on some parts, a reddish tint, elytra dotted with pale bluish-white marks; setae yellowish or greyish; body black, legs infusate, antennae and tarsi reddish.

*Rostrum* with black as well as greyish scales, obsoletely carinate. *Antennae* hispid, scape just touching front of thorax; basal two joints of funiculus equally elongate; club rather short, acuminate. *Thorax* scarcely longer than broad, widest before the middle; obliquely impressed in front, broadly laterally behind the middle, narrowly before the triangular, depressed *scutellum*; surface more or less rugose and punctate, nearly half of the scales dark in colour. *Elytra* rather broad, shoulders rounded, sides broadly curvate, much contracted apically, apices pointed and a little produced; suture raised near scutellum, and along the hind declivity; third and fifth interstices slightly elevated, third somewhat prominent or projecting forwards at base, with small yet distinct protuberances on top of hind slope, fifth not so prominent at base but more nodose behind, but not extending so far back as those on the third; their rows of punctures moderate, not close. *Tibiae* flexuous, the hind pair however rather straight, with narrowly-cavernous corbels. *Scrobes* deep in front, shallow behind, and reaching lower margin of eyes.

The peculiar spots on the rather broad hind-body will enable this species to be easily identified. *C. asperellus*, its nearest ally, is a much narrower form.

Length (rost. incl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{3}{8}$  lines.

Hooper's Inlet. One individual (a female, most likely), sent by



Mr. T. Chalmer, who has done so much to increase our knowledge of this genus.

2112. **C. brevicornis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 422.) Dense pallide griseo-squamosus, fusco-variegatus; prothorace minus elongato lateribus æqualiter rotundatis; elytris apicem versus fere enodulosis, apice oblique albedo.

Long.,  $4\frac{1}{2}$  mm.

*Rostrum* densely squamose, not visibly carinate. *Thorax* rather short and small; strongly transverse; much narrower than the elytra; the sides rounded, the greatest width near the middle; the front margin a little constricted, and rather narrower than the base; the surface densely squamose, a little variegate, there being a vague, abbreviated lateral white vitta, and within this at the base a dark fuscous spot. *Elytra* also variegate, the sutural region being in great part fuscous, and the lateral pallid-grey, nearly white; the third interstice has a very minute obsolete nodosity in front of the declivity, but there is none at all on the fifth; the setosity is well marked. The *antennæ* are dark-red, the third joint shorter than the second; the eighth not so long as broad.

Allied to *C. obliquisignatus*, but much smaller, with shorter thorax and antennæ.

Otago, Professor Hutton; Auckland, Lawson.

2113. **C. æmulator**, *n.s.* Short, opaque; densely clothed with pale and dark reddish-brown and greyish scales, the first predominate, the second most numerous on the sides of the thorax, the last form a broad subapical fascia, a small humeral spot, and irregular vitta-like spots on thorax in front of the shoulders; yellow scales are disposed in a line along the base of thorax; elytral nodosities blackish; legs pale-brown, antennæ red; setæ variegate, the coarser ones white on elytral declivity, on the disc very fine and slender.

*Rostrum* short, indistinctly keeled, squamosity variegate, there being a dark-brown patch before each eye. *Antennæ* short and thick; scape unusually thick, very gradually increasing in thickness, nearly similar to that of *Aporolobus irritus* (No. 754), its setæ fuscous; second joint of funiculus almost as long as the first, third but little longer than broad, 4-6 submoniliform, seventh transverse, much larger than sixth; club elongate, acuminate. *Thorax* obliquely depressed in front towards the sides, otherwise quite even, sides almost regularly rounded. *Scutellum* triangular. *Elytra* oblong rather than cordate, striate-punctate, the punctures fine and regular; third and fifth interstices hardly more convex than the others, third nodose behind. *Tibiæ* but little bent.

Evidently allied to *C. brevicornis*; the thorax is not strongly transverse, and the coloration is different.

Length (rost. incl.), 2 lines; breadth,  $\frac{7}{8}$  line.

One, found near Dunedin by Mr. T. Chalmer.

2114. **C. tenebricus**, *n.s.* *Body* not broad, but little variegate; elytral hind slope almost wholly grey, squamosity elsewhere infusate-grey, but paler on thorax and beak; setæ grey.

*Antennæ* red, short and thick, bearing yellow hairs and setæ, joints 4-7 almost bead-like, seventh but little larger than sixth. No *scutellum* visible, merely a triangular depression. *Elytra* widely inarcuate at base, rather narrow, not greatly exceeding thorax in width, suboblong; finely striate-punctate; third and fifth interstices slightly raised, but without nodosities.

This is, I think, more than a mere varietal form of the two preceding species.

Length (rost. incl.),  $2\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

One, from the same source as the last.

### Brachyolus.

(*White*; *Voy. "Er." and "Terr."*)

*Prosternum* deeply emarginate in front. *Ocular lobes* well developed. *Rostrum* short and thick. *Scrobes* deep, subapical, rather short, with a slight downward tendency. *Eyes* oblique, subovate, widely distant above, hardly free from thorax. *Scape* reaching backwards to front of thorax. *Scutellum* invisible. *Thorax* widest near the front, uneven above. *Legs* rather long but stout; posterior tibiæ quite open at extremity, not cavernous. *Mandibular scar* present. *Front coxæ* contiguous.

These characters are derived from the following species; the typical one I have not yet seen:—

2115. **B. elegans**, *n.s.* *Fuscous*, densely covered with depressed, yellowish-grey, brassy, and nearly pure-white scales; these last predominate on the third and fifth interstices of the elytra near the base, and on a broad space behind the middle, not forming a fascia however; legs and antennæ pale fusco-rufous.

*Rostrum* about as long as thorax, stout, slightly expanded in front, so that the deep scrobes are quite visible from above, not carinate, convex. *Head* depressed between the eyes; these but little convex, the thoracic margin slightly encroaching upon them. *Antennæ* pubescent; scape squamose; funiculus longer than scape, basal two joints of almost equal length, joints 3-7 decrease in length; club ovate, triarticulate. *Thorax* nearly as long as broad, slightly narrowed posteriorly, somewhat uneven. *Scutellum* invisible. *Elytra* convex, shoulders oblique, slightly broader than base of thorax; their punctures arranged in double rows on the disc, the third and fifth interstices are somewhat elevated and prolonged forwards, and culminate in nodosities on the hind slope, the inner nodosities larger than the outer; the suture between these protuberances a little raised, becoming more so behind so as almost to form another nodosity near the apex.

This is a peculiarly interesting species because of the presence of

strongly-developed supplementary mandibles, which are very elongate, and so curved as to overlap each other at the extremity.

Length (rost. incl.),  $2\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Wellington. Two individuals were given to me by Mr. Sandager some time ago.

2116. **B. inæqualis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 424.) *Niger*, pallide griseo-squamosus; *prothorace* angustulo, rugoso; *elytris* brevibus convexis, apice abrupte declivo, ante declivitatem grosse nodulosus.

Long.,  $4\frac{1}{2}$  mm.

*Antennæ* dark-red, slender and elongate; second and third joints subequal. *Eyes* contiguous with front margin of thorax; this latter is about as long as broad, a little rounded in front, and narrowed behind; coarsely rugose. *Elytra* short, broad, and convex; obliquely narrowed at the shoulders, so that the base is the same width as the base of the thorax; the surface uneven, the punctures being irregular, and taking the form of large but subobsolete depressions; in front of the apical declivity the third and fifth interstices are united to project as a triangular nodulosity, the inner angle of this nodosity being the largest and thickest; between the nodosity and the apex the suture is a little raised.

This differs from the typical species—*B. punctatus*—by the large nodules placed higher up, and by the longer, more slender antennæ. The three examples found are not in good condition; but I am pretty sure that even fresh examples would not present the elegant appearance of *B. punctatus*. The elytral projections are somewhat similar to those of *Heterodiscus*.

2117. **B. huttoni**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 426.) *Latior*, indumento griseo-vestitus, supra inæqualis, elytris basi utrinque supra thoracem producto.

Long., 5 mm.

This is very closely allied to *B. bagoides*, but is larger and notably broader, and has the inequalities of the surface more conspicuous, the third interstice being remarkably prominent and prolonged at the base, and the apical nodosities more conspicuous; moreover, the suture between these latter is very prominent; the surface bears both fuscous and pallid setæ, while in *B. bagoides* I see only the former.

Otago. Professor Hutton; one example.

2118. **B. bagoides**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 425.) *Sat angustus*, indumento griseo dense vestitus; supra subinæqualis, elytris basi utrinque supra thoracem leviter producto.

Long., 4 mm.

Densely covered with a pallid incrustation, concealing the sculpture. *Rostrum* rather more long and slender than in the typical species; the scrobes less visible from above; deep and very short.



*Eyes* moderately distant from the thoracic margin. *Thorax* not so long as broad; the sides a good deal rounded, and narrowed behind; the surface is apparently uneven, but the sculpture is quite obscured by the clothing; there appears, however, to be a slight depression of the surface on each side behind the front margin, and another in front of the middle. *Elytra* clothed, like the thorax and rostrum, with a dense indumentum, through which the setæ protrude, the third interstice projects distinctly forwards over the base of the thorax; and the scutellar region is apparently depressed; and the third and fifth interstices project very slightly in front of the apical declivity.

Otago. Professor Hutton; one example.

2119. **B. punctipennis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 425.) *Fusco-brunneus*, minute squamulosus; *prothorace* rugoso sed haud inæquali, antè rotundato, postè angustato; *elytris* seriebus punctorum magnorum conspicuis, interstitio tertio ad basin et quinto apicem versus, magis elevatis.

Long., 6mm.

This differs from *B. punctatus* by the *scrobes* being broader and more indefinite behind, and has also a much longer second ventral segment. The upper surface of the *rostrum* is tricarinate, the eyes contiguous with the thoracic margin; the second and third joints of the antennæ are elongate. The *thorax* is much narrower than the *elytra*; the anterior half of the sides gently rounded; the posterior a good deal narrowed to the base; the surface is coarsely rugose, but the rugæ are not sharply defined, and there are no larger depressions or elevations. There is no *scutellum* visible. The *elytra* are oblong; gently narrowed at the shoulders, which are wider than the base of the thorax; they bear regular series of large punctures; the third interstice is a little elevated at the base, and the fifth strongly elevated behind; the seventh is also a little elevated, so as to render the outline rather sharply defined; the third interstice has a slight tubercle on the apical declivity, and the suture has a more obscure tubercle still farther down.

Christchurch. Wakefield.

2120. **B. longicollis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 426.) *Niger*, sat elongatus, tenuiter griseo-squamosus, antennis tarsisque piceis; *prothorace* elongato, lateribus basin versus quasi marginatis; *elytris* æqualibus seriebus punctorum ad basin majorum ad apicem obsoletis.

Long., 6mm.

*Antennæ* with third joint shorter than the second. *Rostrum* short and stout; only feebly carinate. *Eyes* small; separated by a considerable space from the thoracic margin; very widely separated from one another. *Thorax* quite as long as broad; the sides rounded in front, and a good deal narrowed behind; the surface not rugose, but finely sculptured, and in front almost smooth; at each side behind with the margin distinctly plicate, so as to make the

posterior part flat. *Elytra* rather elongate; without nodulosities; the third interstice slightly raised, and incrassate at the base.

Bealey. Helms; one example.

This is a very peculiar species, and might, so far as the systematic characters go, be almost as well placed in *Catoptes* as in *Brachyolus*. The only example shows the strange peculiarity of possessing an elongate narrow excision on the last ventral plate. Possibly the specimen is abraded, but the squamosity is probably always obscure.

## Heterodiscus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 426.)

*Rostrum* modice elongatum, crassum, apice manifeste crassiore superne ad apicem plaga triangulare munitum; *scrobes* terminales, elongati, subrecti, oculos haud attingentes; *antennæ* modice elongatæ, scapo oculorum marginem anteriorem attingente. *Prothorax* lobis ocularibus tantum modice prominulis munitus; *coxæ* anteriores magnæ prominulæ, contiguæ; *metasternum* brevissimum; *tarsi* articulo tertio bilobato.

This genus is closely allied to several others already found in New Zealand; the *mentum* fills the buccal cavity about as completely as it does in *Catoptes*, and the peduncle is excessively short—almost, in fact, wanting—so that the genus should clearly be placed in Lacordaire's "Adelognathes:" it differs from *Catoptes*, however, by the elongate rostrum and the distinct ocular lobes, as well as by the definite elongate *scrobes*; from *Platyomida* it departs by the ocular lobes, by the *mentum* more completely filling the buccal cavity, and by the less elongate scape of the antenna; and from *Inophlæus* by the rather more definite *scrobes* and shorter scape, and the much more filled buccal cavity; the basal portion of the *mentum* bears a rather deep semicircular impression, the anterior part being smooth and shining; the first ventral segment is moderately long, separated from the second by a suture which departs comparatively little from the rectilinear form; the second is not large, only equal to the two following together; the terminal segment is only moderately large; the legs are elongate and stout, with the *tarsi* spongy-pubescent; the lobes of the third joint perfectly developed; the form of the wing-cases in the only species known is very curious: they have a flat disc, becoming broader behind, and terminating as two obliquely-truncate prominences, the apex being so abruptly declivous that it projects scarcely so far backwards as the angles of the dorsal prominences do. The genus is allied to the Chilian *Megalometis* and *Strangaliodes*.

OBS.—This genus scarcely differs from *Echinopeplus*.—T. B.

2120A. **H. insolitus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 427.) *Niger*, squamulis et indumento sordide grisescens,

rugosus, elytris apicem versus latioribus, disco pone medium quadrangulariter prominulo, quasi truncato.

Long., 8mm. ; rostr. incl., 11mm.

Upper surface of *rostrum* with four grooves, the lateral being less distinct than the two median ; second and third joints of *antennæ* moderately long, subequal : *thorax* subcylindric, nearly as long as broad, slightly narrowed towards the front on the anterior third, longitudinally depressed along the middle, and with the surface coarsely rugose : *elytra* with slight elevations not sufficiently marked to be termed nodules, and also with regular series of impressed rather distant punctures ; apparently truncate behind, the disc forming two slight angles near the suture, and also an external angle on each side, the apical declivous part large ; the width of the wing-cases at the base is the same as the base of the thorax, and there is a very minute *scutellum* : the *legs* are thick, the front tibiæ mucronate, the claws short and thick ; in addition to the squamosity of the surface there are also a few pallid setæ, which become numerous on the legs.

Picton. Helms ; a good series.

2121. **H. horridus**, *n.s.* (Sharp ; *Trans. Roy. Dub. Soc.*, 1886, p. 427.) *Niger*, tuberculato-rugosus, indumento sordido plus minusve obscuratus, elytris apicem versus latioribus, disco pone medium quadrangulariter prominulo, quasi truncato.

Long., 7mm.

This differs from *H. insolitus* by the very rough surface ; it is also of less elongate form, with a shorter *rostrum*, which also has less definite scrobes ; the *thorax* is broader than long, slightly narrowed behind, more narrowed in front, its surface coarsely and deeply rugose ; *elytra* without punctuation, but with a large number of small tubercles irregularly placed, they become broader behind, and are abruptly declivous at the extremity, the dorsal portion projecting backwards as four short obtuse angles, the lateral prominence on each side not reaching so far back as those near the suture ; legs rather short. As in *H. insolitus*, the corbels are not in the least cavernous.

Otago, Bakewell ; Dunedin, Professor Hutton : one example from each.

### **Haplolobus.**

*Nov. gen.*

*Rostrum* very short and thick, forming a prolongation of the head without any ante-ocular contraction, a little narrowed anteriorly, not pterygiate, more or less obviously triangularly grooved in front. *Scrobes* situated on upper surface rather than on the sides, so that if their upper margins were continued backwards they would almost converge on the vertex ; they are apical, nearly foveiform, and deep. *Eyes* small, scarcely convex, obliquely oval and somewhat pointed below, widely separated above, placed quite laterally and only a short distance from the thorax. *Scape* thickened apically, attaining



thoracic apex. *Thorax* subcylindric, base and apex truncate, ocular lobes distinct. *Elytra* elongate-cordate. *Tibiæ* flexuous, mucronate and slightly dilated at the extremity, corbels of the posterior not perceptibly cavernous; *tarsi* densely clothed, third joint bilobed. *Prosternum* widely incurved in front; anterior coxæ prominent, nearly contiguous, placed near the front of the breast; *metasternum* short, hind coxæ widely separated; *abdomen* moderately elongate, basal segment quite truncate between the coxæ, rather larger than second, their suture oblique or flexuous, third and fourth well developed with straight sutures, fifth broadly impressed.

The presence of ocular lobes shows that it belongs to the second division of the *Otiorhynchidæ*. The eyes, scrobes, and rostrum distinguish it from all the genera of that section. The facies of the body resembles the typical *Catoptes*.

2122. **H. sævus**, *n.s.* *Convex*, opaque, blackish; covered with round, depressed, ashen or greyish scales and short pallid setæ; legs and antennæ dark but a little rufescent.

*Rostrum* much shorter than thorax, finely and distantly sculptured, not carinate. *Scape* clothed with long and short setæ; second joint of funiculus slightly shorter than first, joints 3-7 transverse; club elongate-oval, acuminate. *Thorax* regularly rounded laterally, without asperities, its sculpture fine, consisting of minute granules with a puncture in each. *Scutellum* minute. *Elytra* broader than thorax at base, shoulders obtuse, narrowed posteriorly, apices simple; the suture raised from top of hind slope backwards; striate-punctate, punctures moderate as to size and contiguity; interstices simple.

*Underside* clothed with elongate, hair-like, greyish scales and hairs, on the metasternum and basal ventral segment the clothing is thicker and yellower.

Length (rost. incl.),  $2\frac{5}{8}$  lines; breadth, nearly 1 line.

From the mountains near Lake Tekapo, 2,500ft.-6,000ft. Collected by Messrs. A. T. Urquhart and T. F. Cheeseman.

2123. **H. æthiops**, *n.s.* *Black*, a little shining, tarsi and antennæ pitchy-red; nearly nude.

*Thorax* rather broader than long, widest near the middle, lightly curvedly impressed near the front, covered with fine irregular rugosities, and on some parts finely punctate-granulose. *Elytra* striate-punctate, suture raised behind; third and fifth interstices somewhat broader than the others, finely sculptured; apices a little produced.

The insect rather more robust than *H. sævus*, the derm more glossy, rostrum decidedly shorter. The nudity is not due, I think, to abrasion, as the squamosity in one example of *H. sævus* was not easily rubbed off; had the scales been deciduous I should have considered this to be merely a varietal form of the typical species.

Length (rost. incl.),  $2\frac{3}{4}$ -3; breadth,  $1\frac{1}{2}$  lines.

Lake Tekapo mountains. Five individuals.

2124. **H. gregalis**, *n.s.* *Fuscous*, legs and tarsi fusco-testaceous, claws black, antennæ and front of rostrum rufescent; squamosity dense, variegate, for the most part of the same colour as the legs, paler on the humeral region and on a linear space on the middle of the thorax, which, however, bears darker scales than the hind-body; setæ fine, grey; scape with infusate setæ and short hair-like scales; femora squamose and setose, tibiæ setose.

This species differs from *H. sævus* thus: *Rostrum* broadly bisulcate; *antennæ* more slender; *thorax* more contracted at base, and possibly differently sculptured; *scutellum* distinct; elytral interstices convex; *tarsi* more slender; *eyes* almost touching the thorax. In appearance it somewhat resembles *Catoptes obliquisignatus*.

Length (rost. incl.),  $2\frac{5}{8}$  lines; breadth, quite 1 line.

One example, from the same source as the others.

### Inophlœus.

2125. **I. nodifer**, *n.s.* *Elongate*, slightly convex, opaque, obscure-black, tarsi and antennæ rufescent; sparingly clothed with yellowish-grey scales and short coarse setæ.

*Rostrum* rather short, not perceptibly carinate. *Thorax* about as long as broad, moderately rounded laterally, vaguely and broadly impressed before the middle; its sculpture fine, close, and ill-defined. *Scutellum* distinct. *Elytra* oblong-oval, shoulders rounded; apex perpendicular, and surmounted by two contiguous horizontal protuberances proceeding from the suture; finely striate-punctate, third and fifth interstices rather broader than the others, not elevated and not forming nodosities, interstitial sculpture similar to that of thorax.

An easily-recognised species, owing to the sutural nodosities and simple apices of the elytra; the eyes are rather round; posterior corbels extremely narrowly cavernous. The antennæ are elongate, the scape reaches the hind margin of the eye, first and second joints of funiculus equally long. Scrobes deep in front, rapidly becoming shallow and quite obsolete towards the eyes. Its nearest ally is *I. rhesus*.

Length (rost. incl.),  $4\frac{1}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Lake Tekapo. One example, found by Mr. T. F. Cheeseman.

2126. **I. alacer**, *n.s.* *Elongate-oblong*, subdepressed above; pale-fuscous, closely covered with small greyish and almost testaceous (pale-brown) scales, and a few short squamiform setæ, tarsi pale reddish-chestnut, funiculus red.

*Rostrum* rather shorter than thorax, the median carina more distinct than the lateral ones. *Scape* opaque, setose, reaching front of thorax, first and second joints of funiculus equal, elongate, club long and narrow. *Thorax* scarcely longer than broad, broadest before the middle, much rounded towards the front, narrowed behind; grooved along the middle from base to apex, uneven, with about six or seven depressions on the disc but none in front. No

*scutellum* visible. *Elytra* wider than thorax at base, shoulders widely oblique in the longitudinal direction, slightly widely dilated behind these, otherwise subparallel, apices not prolonged, posterior declivity not abrupt, scutellar region depressed; each with six dorsal rows of well-defined punctures, third and fifth interstices more or less unevenly raised, the fifth terminating in a large nodosity behind, the suture raised apically. Corbels of hind tibiæ narrowly cavernous, with two rows of ciliæ.

A rather bright-looking species. Its nearest congener is *I. egregius*, which also has narrowly-cavernous corbels, but differs in possessing a distinct scutellum, narrower shoulders and abruptly-deflexed apex, &c.

Length (rost. incl.),  $3\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Described from a specimen in my collection, received, I think, from Mr. C. M. Wakefield, formerly of Christchurch.

2127. ***I. albonotata*, n.s.** *Broad*, slightly convex; squamosity variegate, on thorax fusco-testaceous with some black, redder on rostrum, on elytra ash-coloured but paler near the base, with several spots of nearly-pure white; setæ greyish, placed in rows on the elytra and decumbent there, on thorax erect and coarser.

*Rostrum* indistinctly carinate. *Antennæ* red; scape with long and short setæ, attaining thorax; first two joints of funiculus elongate, equal, 3-6 longer than broad; club fuscous, opaque, ovate, acuminate. *Thorax* about as long as broad, widest before the middle, broadly constricted or depressed in front, longitudinally depressed in front of the scutellum; irregularly rugose, the punctation hidden. *Scutellum* small, sunk, the elytra raised at either side of the cavity. *Elytra* nearly double the width of thorax, shoulders obtusely rounded, sides scarcely curvate, much narrowed behind, apices acutely prolonged; third interstices distinctly, fifth only slightly elevated at the base, hardly at all along the dorsum, posterior elevations on fifth larger than those on third; suture raised along hind slope; each elytron with six discoidal rows of moderately large and distant punctures, sometimes only four or five in each row, with, on some parts, smaller ones intervening, but apparently altogether wanting across the middle of the disc. *Legs* with scales and setæ, hind thighs marked with a large white spot or band; tibiæ and tarsi infusate-red, posterior corbels narrowly cavernous.

*Underside* bearing scales and slender, greyish, decumbent setæ; head closely, finely, transversely rugose.

*Mandibular scar* well marked, consisting of a rather deep fovea on an obtuse prominence, nearly similar to that seen in *I. sulcifer*.

The white spots of themselves differentiate this species from Nos. 1231 and 1232. All three are very much alike, having unusually broad elytra.

Length (rost. incl.),  $3\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

One, received from Mr. S. W. Fulton (from Taieri), from whom I have also a sexual or varietal form of *I. nigellus*, with acutely-produced apices, and covered with dull yellowish-grey or pale-brown scales.



1218. **I. vestitus**, *n.s.* Broad, only slightly convex, opaque, black; densely covered with small round depressed, greyish-testaceous or pale-brown scales, and coarse, grey, erect setæ; legs and antennæ obscure fusco-rufous.

*Rostrum* moderately short, tricarinate, most of its squamæ slightly fulvescent. *Scrobes* deep in front, directed towards, but not reaching, the lower margin of the eyes. *Scape* attaining the back of the eye, very gradually thickened; second joint of *funiculus* very little longer than the first; *club* elongate, triarticulate, densely and finely pubescent. *Eyes* broadest above, subacuminate below. *Thorax* just as long as broad, widest near the front, narrowed but nearly straight behind, base rounded; uneven above, the largest depressions behind the middle, near the sides. *Scutellum* minute. *Elytra* broad, much broader than the thorax, shoulders oblique, the sides subparallel as far as the top of the hind declivity, where they are abruptly narrowed, apices obtusely acuminate; each has six series of large distant punctiform impressions above, besides three or four on each side; they are nearly plane, the third interstices are slightly raised at the base, the fifth are obtusely prominent (not projecting) at the top of the declivity, so that the space between these, at that point, appears broadly depressed, the suture, however, is a little raised and thickened there, still more so lower down. *Legs* stout; femora clavate, the squamosity near the base rather pale and almost viridescent; tibiæ flexuous, with scales like those on the rostrum; soles of the *tarsi*, especially the second joint, rather thinly clothed. *Corbels* narrowly cavernous. Ocular lobes distinct. *Metasternum* short. In No. 1231 the scape reaches the front of the thorax. *Scrobes* effaced behind. Ocular lobes broad. It is a near ally of *I. vestitus*.

Length (rost. excl.), 4; breadth, 2 lines.

Wellington. Mr. Sandager; one example.

## Group—RHYPAROSOMIDÆ.

### Phrynixus.

1219. **P. simplex**, *n.s.* Sub-oblong-ovate; piceo-fuscous, antennæ, tarsi, and apical half of rostrum reddish, clothed with elongate, depressed and suberect, fulvous scales.

*Rostrum* longer than thorax, its anterior portion nearly nude, and more or less carinate, the basal part squamose. *Antennæ* medially inserted, second joint of *funiculus* quite as long as but more slender than first; *club* paler-red, its base as broad as the seventh joint. *Prothorax* as long as broad, subcylindrical, with a longitudinal depression at the base; its sculpture consists of rather large punctures or cavities filled with scales, and, especially behind, more or less rugose intervals. *Elytra* subovate, the base truncate in the middle, the perfect humeral angles embracing the base of thorax; they bear rows of oblong punctures distinctly separated from one another, these are evident enough and regular near the suture, but

on the sides they are irregular, whilst the apical sculpture may be termed striate-punctate.

Not exactly like any other described species; there are no tubercles on the rostrum; the thorax is destitute of crests; but there are four scaly prominences on the summit of the hind part of the elytra, the lower pair more widely separated than the upper. The scrobes are foveiform, but a squamose furrow, shallow but distinct, extends from the point of antennal insertion to the eye. Penultimate tarsal joint deeply excavated above.

Length (rost. excl.),  $1\frac{5}{8}$  lines; breadth, quite  $\frac{3}{4}$  line.

One found on Mount Egmont, at an elevation of 3,200ft., and a second at Stratford, near the base of that mountain.

2130. **P. costirostris**, *n.s.* *Opaque*, fuscous; the antennæ, tarsi, and front of rostrum reddish.

This species somewhat resembles *P. astutus*. The *body* is narrower, and is clothed with minute as well as scale-like setæ; these latter form three raised lines on the thorax, the two lateral ones oblique, and four rounded elevations on the posterior part of the elytra, two above and two just below the top of the declivity, there are also four elongate ones near the base, two of which are on the shoulders. The *rostrum* is arched, rather coarsely punctate, the apical half nearly nude and feebly bicarinate; the basal portion rather convex, with a distinct ridge along the middle, a little narrower than in front, and without crests. *Thorax* just about as long as broad, its sides nearly straight, closely and rugosely punctate, the middle of the base depressed. *Elytra* abruptly declivous behind, scutellar region depressed, with series of quite oblong punctures, about seven or eight in each row, the declivity finely punctate-striate, interstices simple, rather regular. *Tarsi* short.

In its natural state it is covered with a mud-like coating which effectually conceals the sculpture and clothing, and, when in that condition, appears somewhat cuneiform.

Length (rost. excl.),  $1\frac{5}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Wellington. Collected by Mr. Sandager.

### Erymneus.

2131. **E. ferrugatus**, *n.s.* *Elongate*; black, clothed with pale-ferruginous scales, with some longer yellowish ones on the more elevated parts; tarsi and antennæ piceous.

*Rostrum* elongate, arched, tricarinate in front, bicarinate behind, apex nude; with four pallid crests, the anterior pair sometimes obsolete. *Scape* flexuous, more or less squamose, extending almost to middle of eye; second joint of funiculus as long as first; club short, ovate. *Thorax* with a central ridge reaching the middle, two oblique basal ones, separated by a depression, ending where the frontal terminates; one at each side beginning at the apex half-way between the explanate side and the middle and reaching the hind angle; the coarse rugose punctation is concealed by sappy matter.

*Elytra* elongate, oblong, shoulders obliquely contracted to width of thorax and bearing erect scales, base sinuous or emarginate, scutellar region depressed and projecting; they have rows of large punctures, usually hidden however, two pale crests on the middle, two behind, two larger ones near each side and top of posterior slope, which latter appears punctate-striate and bears numerous minute tufts; there are also, on the dorsum, many black wart-like elevations, minute near the suture but becoming larger towards the uneven, almost vertical, sides; there are, besides, two basal ridges on each elytron, the outer, interrupted near the middle, extends backwards about two-thirds of the entire length. *Legs* setose.

The eyes are more obliquely longitudinally oval and nearer the thoracic margin than in the typical species.

Length (rost. incl.),  $3\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Howick. Two examples.

### Cuneopterus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 428.)

*Rostrum* elongatum, capite thoraceque paulo longius, sat tenue, valde arcuatum; *antennæ* paulo ante medium rostri insertæ, graciles scapo apice clavato, *scrobes* vagæ, oculis haud attingentibus, his a thorace sat remotis; *prothorax* elongatus, conico-oblongus; *elytra* elongata, basi emarginato, apice truncato, lateribus late valdeque deflexis; *scutellum* nullum; *prosternum* quam pronoto multo brevius, lobis ocularibus nullis. *Metasternum* haud brevissimum; *abdomen* segmentis duobus basalibus valde elongatis, secundo quam tertio quartoque simul sumptis fere duplo longiore, segmento ultimo sat elongato; pedes sat tenues, tibiæ muticæ; *tarsi* parum elongati, articulo tertio haud lobato.

This is in its appearance amongst the most remarkable of the New Zealand weevils, and should be placed near *Phrynixus*, Pascoe, from which it differs by the elongate *rostrum* with less effaced *scrobes*, the less abbreviate *metasternum* and third and fourth ventral segments, and still more importantly in the parts of the *mouth*, the buccal cavity being larger, the peduncle rather elongate, the *mentum* apparently quite absent, and all the stout rigid *palpi* quite exposed; the *mandibles* have no scar, the third tarsal joint is deeply excavate above for the reception of the terminal joint, and its hind margin is feebly emarginate; there is no dilatation of the apices of the *tibiæ*, and the *tarsi* are densely pubescent beneath.

2132. **C. conicus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 428.) *Elongatus*, anteriùs angustatus, posterius truncatus, indumento fusco obtectus, supra subnodulosus.

Long., absque rostro, 11mm.; rostr. incl., 14mm.

*Antennæ* slender, second and third joints very elongate, club slender, acuminate-oval; *rostrum* glabrous in front, and very finely punctate; *eyes* small; on either side of the upper face of the *rostrum*



at the base is a broad vague groove, which causes the middle to appear vaguely broadly costate; *thorax* longer than broad, the surface and sides uneven, a deep depression at the base in the middle, and a ridge on the front part, besides less distinct inequalities; *elytra* broader from the base backwards, the apex remarkably abruptly truncate, with some slightly-elevated nodules, the most distinct of which are lateral, and two immediately in front of the terminal truncation; the pseudopipleuræ are remarkable for their excessive size, and bear distant large, though rather obsolete, serial punctures.

Greymouth. Mr. Helms has obtained two examples of this remarkable weevil; the first was found in a spider's web some years ago, and the second under a piece of wood in a wet place.

OBS.—In appearance this insect more nearly resembles the genus *Pachyprius* than *Phrynixus*, and should be placed next to it.—T. B.

### Dermotrichus.

Nov. gen.

(Sharp; Trans. Roy. Dub. Soc., 1886, p. 429.)

*Corpus* irregulariter setosum. *Rostrum* gracile, arcuatum prothorace paulo longius, scrobes laterales oculos attingentes. *Oculi* parvi subrotundati a thorace sat distantes; *antennæ* scapo apice clavato.

This genus is closely allied to *Phrynixus*, Pascoe, but possesses elongate though rather vague *scrobes* reaching to the small eyes. The *antennæ*, too, are inserted evidently in front of the middle of the rostrum. The other characters, so far as I can see, are similar to those of *Phrynixus*. The *tarsi* are small, with the third joint short, not bilobed but deeply depressed above for the insertion of the terminal joint. The *thorax* is quite destitute of ocular lobes; the *metasternum* very short, the second ventral segment excessively large, the third and fourth extremely short.

2133. **D. mundulus**, n.s. (Sharp; Trans. Roy. Dub. Soc., 1886, p. 429.) *Piceus*, haud nitidus, setulositate crispata irregulariter vestitus.

Long.,  $3\frac{1}{2}$  mm.

*Rostrum* slightly broader in front of the *antennæ*, and there almost smooth and shining, behind sulcate and minutely setulose, with two minute tufts between the eyes; *antennæ* rather short, the scape gently clavate at the apex; second joint longer and thicker than the third, the funiculus only indistinctly articulated; the club elongate, obtuse, its first joint extremely long, the others quite short. *Thorax* slightly longer than broad, its greatest width in the middle, gently and equally narrowed to the front and the base, its surface not convex, but somewhat uneven and bearing ochraceous (or fuscous) thick setæ, which are here and there more condensed and elevated. *Elytra* of peculiar form, being much narrowed to the

base, which is of the same width as the thorax, becoming broader behind in a long slope, covered with angulate transverse fasciæ of condensed setæ, two of these, one on the middle and one behind it, being very distinct; *scutellum* invisible; *legs* only feebly setose.

Grey-mouth. Helms. The three examples exhibit a good deal of difference in the clothing of the wing-cases, which may be due partly to variation, partly to abrasion.

### Bradypatæ.

*Nov. gen.*

This is another genus of the *Rhyparosomidæ*, allied to *Phrynixus*, but departing from it in structure as follows:—

*Scrobes* quite foveiform at point of antennal insertion (the middle), but with a broad squamose groove extending backwards to the lower and front margins of the eyes. *Eyes* small, convex, coarsely faceted, bearing minute setæ, more approximated above and nearer the thoracic margin than in *Phrynixus*. *Head* narrow in front and deeply constricted behind, so that the eyes only project beyond the sides of the rostrum. *Prosternum* deeply emarginated, the coxæ placed near the emargination. Intermediate *coxæ* nearly as prominent as the anterior, much more so than in *Phrynixus*. *Meta-sternum* very short, with a transverse carina between the middle and hind coxæ, the space between these latter somewhat broadly raised. *Abdomen* large, second segment in the middle rather larger than the first, their suture consisting of two oblique lines forming an angle at the middle.

The type is No. 1512; now *Bradypatæ capitalis*. A second example, received since the publication of its description, enables me to make known its characters more fully. It bears bright-yellow scales or squamiform setæ. The thorax is quite truncate at base and apex, and is abruptly contracted in front. The elytra bear four elongate basal elevations, there are about twelve rounded ones above, and six smaller ones in a transverse row on the top of the posterior slope, on which the tufts are numerous but smaller.

### Chamæpsephis.

*Nov. gen.*

*Rostrum* slender, elongate, arched, longer than thorax; the cavity for antennal insertion foveiform, but with a quite evident broad channel, having only a few fine setiform scales in it, extending backwards to the eye. *Antennæ* implanted immediately before the middle; scape slender near base, extremity clavate, attaining front margin of eye, in *Phrynixus* it reaches the hind margin. *Eyes* distant from thorax, rather widely separated above, small, rotundate, and somewhat convex. *Head* broad, anteriorly narrowed. *Thorax* truncate in front, gently curved at base, without ocular lobes. *Scutellum* invisible. *Elytra* rather short and broad, shoulders narrowed to width of thorax at base; epipleuræ extremely narrow. *Pro-*

*sternum* not at all emarginate. *Metasternum* short, with a straight suture just in front of the widely-separated hind coxæ. *Abdomen* large, basal two segments about equally large, intervening suture distinct throughout, angulated at the middle and directed obliquely towards the sides; third and fourth very short. *Tibiæ* mucronate; tarsi short, third joint excavated but not lobate.

I have pointed out the chief characters. *Phrynixus*, *Bradypata*, and *Dermotrichus* are allied forms. The middle coxæ are further apart and more prominent than they are in *Phrynixus*.

2134. **C. aurisetifer**, *n.s.* *Convex*, bearing long and short setiform scales, of a bright-yellow colour; hind-body opaque, fuscous, other parts more or less fusco-rufous.

*Rostrum* finely punctured in front and slightly wider than behind the antennal insertion, hind portion not carinate but with three lines of decumbent setæ. *Head* of the same width as front of thorax but narrower in front, sparsely squamose, more densely near inner margin of eyes, depressed between these, vertex convex. *Scapæ* red; first joint of funiculus thicker but hardly at all longer than second, both of similar form, joints 3-6 transverse, seventh somewhat quadrate; club ovate, not perceptibly articulated, with fine hairs. *Thorax* oviform, the middle widest, somewhat constricted in front; a little uneven above, there being a broad depression at each side behind the middle, four small crests in a row across the middle, two smaller apical ones, and many coarse scales along the sides; there is no visible punctation. *Elytra* broadest near the middle, from thence curvedly narrowed towards the base, which is widely but slightly arcuated and closely fitted to the thorax; scutellar region depressed, much narrowed and declivous behind; striate-punctate, but when examined sideways they appear to have four or five dorsal striæ on each; on the basal half the scales are very fine, small, and distant, but on the shoulders, a curved line between the hind thighs, and, again, further back, as well as along the sides, the scales are coarse and often form tufts. *Legs* and tarsi clothed with rather fine but not erect scales.

*Underside* fuscous, a little shining, sparingly squamose, abdomen without punctures, depressed between the hind coxæ.

Sometimes the squamosity is less brightly coloured, and not so definitely arranged.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Mount Cook. Found under logs on the ground, near the Hermitage, by Mr. H. Suter.

## Dolioceuthus.

*Nov. gen.*

*Rostrum* of normal thickness behind where the antennæ are inserted, about one-third of the entire length from the apex; the frontal portion almost suddenly expanded so as to be nearly twice the breadth of the hind portion, which, above, has four distinct,



more or less squamose grooves separated by three carinae, the sides also carinate. *Scrobes* deep in front, quite easily seen from above, and prolonged along the sides of the rostrum to below the eyes, but becoming shallow on reaching these organs. *Scape* flexuous, apex clavate; funicle 7-articulate; second joint elongate, as long as but more slender than first, joints 3-6 transverse, seventh larger than the preceding one; club short and compact, ovate. *Eyes* rotundate, distinctly faceted, placed not on the sides, but on the upper part of the head, and therefore more approximated than is usually the case in allied genera; moderately distant from thorax. *Thorax* truncate in front, bisinuate at base, a little constricted near apex, without ocular lobes. *Scutellum* invisible. *Elytra* widest behind the posterior femora, gradually narrowed to width of thorax at base. *Prosternum* widely but not deeply incurved in front. *Abdomen* large, basal two segments connate, second larger than first, their suture oblique towards the sides but very feebly marked, third and fourth very short. *Legs* rather elongate; tibiae flexuous, mucronate; tarsi short, their soles almost sponge-like, third joint hollowed out above but not lobate.

The position of the eyes, the peculiar scrobes, and strongly carinate rostrum are distinctive.

2135. **D. dumetosus**, *n.s.* *Subovate*, elongate, convex, opaque; smoky-black, antennae and tarsi rufo-piceous; sparingly clothed with small, elongate rather than round, greyish-yellow scales, but near the sides and hind part of elytra with very coarse, upright, pale-brown, squamiform setae.

*Rostrum* longer than thorax, with four obvious grooves, having slender grey scales in them, extending from the eyes to point of antennal insertion. *Thorax* barely as long as broad, somewhat constricted in front, sides a little rounded; with an abbreviated median carina, distantly and moderately punctured, in front of the base at the middle slightly depressed, and having about ten or twelve tubercular elevations on the back part of the disc; the coarse setae form three tufts on each side, two smaller ones on the apex, and two others a short distance behind these. *Elytra* depressed at the scutellar region, gradually widened as far as the hind thighs; with, on each elytron, four rows of large shallow depressions or coarse punctures not extending more than two-thirds of the whole length, behind these impunctate, but with a few obsolete striae near the apex; on the punctate portion there are several small tubercular elevations, besides others on the sides; the coarse setae are most conspicuous behind, where they form nearly twenty small tufts. *Legs* and tarsi with some fine greyish scales; tibiae, particularly the anterior, much bent, their extremity oblique.

*Underside* piceous; second abdominal segment quite impunctate on the middle, apical one moderately closely punctured.

♂. Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Waitakerei Range. Two examples.

2136. *D. vestitus*, *n.s.* *Form* somewhat similar to *D. dumetosus*; hind-body not expanded posteriorly, its shape, indeed, quite oblong-oval; apex of rostrum less widened, tibiæ less bent, tarsi shorter.

*Rostrum* reddish, very finely punctured in front, with fine yellow scales in the grooves. *Antennæ* obscure-rufous, with slender yellow setæ. *Thorax* medially depressed at base, its rather coarse punctures filled with large flat scales; dorsal carina fine, abbreviated, post-median tubercles minute; the tufts like those of the typical species; disc scarcely convex. *Elytra* with a scutellar depression, and a long oblique one on each elytron extending from the middle thighs to near the suture and top of apical declivity; they are quite indefinitely punctured, and without distinct tubercles, but there is an elevation on each side of the scutellar region; the coarse setæ form numerous small tufts along the sides and behind, the discoidal portion is much more densely covered with fine longish scales than is the case in *D. dumetosus*.

The squamosity is yellow, even on the legs; the scales on the thorax are roundish and very much larger than those in the other species.

♀. Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Waitakerei Range. One individual only.

OBS.—No. 767 belongs to this genus. It has four grooves, not costæ, on the rostrum.

## Astyplus.

*Nov. gen.*

*Body* coniform. *Rostrum* elongate, arched, slightly narrowed towards the eyes, not pterygiate. *Scrobes* elongate, commencing at the middle of rostrum, extending more than half-way between that point and the eyes, at the antennal insertion (the middle) they are profound, and the upper and lower margins approach but do not touch each other, leaving a groove or false scrobe which nearly reaches the apex; they become shallow behind, with a squamose interval before the eyes, and terminate where an elongate crest or tubercle is interposed on the side, almost in the scrobe itself. Although the beak is not in the least pterygiate, the scrobes, being more on the upper surface than the sides, are visible from above. *Eyes* somewhat depressed, almost rotundate, finely faceted, free. *Scape* slender but clavate at the extremity, just reaching the thoracic margin; funicle seven-jointed, basal two joints equally elongate; club ovate, seemingly without articulations. *Thorax* elongate-conical, without ocular lobes, truncate at base. *Scutellum* invisible. *Elytra* suboblong, sides and apex perpendicular, disc plane, shoulders broadly porrect. *Legs* stout, tibiæ moderately produced inwardly at the extremity; tarsi densely hispid, short, second joint transverse, third excavated above and feebly lobed, fourth nearly equalling the other three in length, claws simple. *Prosternum* deeply emarginate; front coxæ prominent, almost contiguous. *Mesosternum*

concave between the prominent coxæ. *Metasternum* excessively short, scarcely exceeding in length the space between the widely-separated coxæ. *Abdomen* very large, the first segment deeply emarginate at the middle behind, the suture towards each side nearly straight, third and fourth segments quite linear, their sutures straight and deep, both sunk below the level of the others. *Epipleuræ* so narrow as to be almost invisible. *Mentum* transverse. *Palpi* not exposed.

The scrobes of themselves serve to distinguish this from all the other genera of the Rhyparosomidæ.

2137. **A. conicus**, *n.s.* *Body* widest behind, almost uninterruptedly narrowed to the eyes, nearly flat above, but with the scutellar region depressed; sparingly clothed with yellowish decumbent scales, and coarse pallid setæ, these latter form a pair of crests on the front of the thorax, and a sort of irregular fringe from that point along each side to beyond the middle of each elytron, and again along the sides of the posterior declivity; on the tibiæ they are extremely coarse, so as to appear like teeth or protuberances; derm pitchy-brown or black, tarsi and antennæ ferruginous.

*Rostrum* as long as thorax, strongly arched, its nude anterior portion punctate, the back part with a central carina covered up behind by a squamose ridge, and with an elongate crest at each side between the scrobe and eye. *Thorax*, as seen from above, narrowed towards the apex, but near the middle of each side there is a setiform projection beyond which the narrowing becomes more marked towards the apical crests; the sculpture consists of irregular cavities or punctures, with rugose and near the front almost tuberculate interstices, the middle of the base angularly depressed. *Elytra* with, on each, two regular rows, about seven in each, of coarse punctures, the one nearest the scutellar region an elongate cavity rather than a puncture, there are some other punctures near the sides and a few minute black tubercles; behind, the punctures are smaller with indications of striæ; the setiform ridges proceeding from the shoulders are curved inwardly, and end near the middle, though distant from the suture, in an almost isolated elevation, the enclosed space seems depressed; two elevations on each side are larger than any others there, whilst the summit and sides of the apical portion are more or less uneven with setiform tufts or ridges.

Length (rost. excl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{3}{4}$  lines.

This interesting creature was discovered by Mr. H. Suter at Forty-mile Bush.

### Clypeorhynchus.

*Nov. gen.*

(*Sharp; Ent. Mon. Mag.*, vol. xx., p. 26.)

*Rostrum* not quite so long as prothorax, moderately stout, between quadrate and cylindric, *antennæ* inserted so as to leave one-third of the length of the rostrum in front of their insertion; the anterior portion of the rostrum separated by a deep irregular suture from the



other part, and glabrous, the portion behind the suture being rugose and clothed with scale-like hairs. *Mandibles* exposed at apex of rostrum, and laminate, that is, presenting externally and in front a well-marked edge: *scrobes* deep in front, elongate, vague behind, not reaching the *eye*, this latter oval, contiguous with the margin of the thorax. *Antennæ* elongate and slender, scape elongate, clavate, extending backwards beyond the eye, first joint of funiculus very elongate, but not quite half so long as the scape; club elongate-oval, slender, evidently three-jointed, the three joints of about equal length. *Thorax* suboblong, narrower at the base than the elytra. *Legs* elongate, tarsi slender, third joint with elongate lobes.

This genus may be placed in the *Rhyparosomides* of Lacordaire, where, however, it is an anomalous form. Having somewhat the appearance of *Phrynixus*, Pascoe, it is abundantly distinct therefrom by the elongate scrobes, and by the slender third joint of the tarsi, which joint, moreover, is divided so deeply as to form two remarkably elongate lobes. It is an interesting fact that, although the scrobes are not terminal, yet they possess a very evident lateral dilatation after the manner of the *Otiorynchides*. The remarkable differentiation of the anterior and posterior portions of the rostrum appears to me to indicate that, even in the *Curculionidæ* with elongate rostrum, the portion in front of the antennal insertion is made up of the transformed clypeus, although frequently no trace of a division between the epicranium and clypeus can be detected.

2138. **C. gracilipes**, *n.s.* (*Sharp*; *Ent. Mon. Mag.*, vol. xx., p. 27.) *Convexus*, fusco-ferrugineus, setulis haud densis maculatim vestitus, antennis pedibusque gracilibus, setulis erectis tenuibus minutis; *prothorace* elongato, anterieus impresso, posterius ruguloso.

Long., excl. rostr., 6mm.

*Rostrum* rugose, in front of the antennæ smooth and shining, the vertex between the eyes with an elongate impression. *Thorax* longer than broad, its greatest width in front of the middle, slightly narrowed behind, more distinctly narrowed in front, the upper surface rugose and limited on each side by an irregular band of dense subdepressed pale setæ, and in the middle in front deeply impressed. *Elytra* oblong-oval, obliquely narrowed at the shoulder, the surface rather uneven, but without distinct prominences, rather vaguely striate, the striæ marked with irregular depressions, with irregular spots of pale squamiform setæ. *Legs* slender, all the tibiæ evidently sinuate internally, and with their inner angle prolonged and acuminate.

Mr. Helms has sent me this species, and informs me that it was found at Maori Creek, about sixteen miles from Greymouth.

2139. **C. thoracicus**, *n.s.* *Elongate*, subovate, convex; opaque, infusate-black, legs obscure-ferruginous, antennæ, tarsi, and apex of rostrum reddish; clothing yellowish.

*Rostrum* elongate, covered with elongate yellow scales except the almost nude apex, which is shining and finely punctured; it is

obsoletely carinate. *Scape* setose towards the extremity; first joint of funiculus nearly double the length of the second. *Thorax* longer than broad, subcylindrical, the sides behind its broadest part (before the middle) straight; slightly uneven, convex behind, a little depressed in front, with a broad groove down the middle; rugosely punctate, the setæ-like scales confined almost exclusively to the apex and a linear space near each side. *Scutellum* small. *Elytra* oviform, elongate, shoulders densely squamose and obliquely narrowed to width of thorax; their striæ moderate, with rather large but not deep punctures; their clothing consists of fine adpressed setiform scales and erect fuscous setæ, nowhere forming spots. *Legs* elongate. *Prosternum* emarginate, mesosternum punctate; two basal abdominal segments without distinct median suture; squamositate.

The thorax is much narrower and less contracted anteriorly than in the typical species, but the hind-body is broader and more convex, so that this species differs in form.

Length (rost. incl.),  $3\frac{1}{8}$ ; breadth,  $1\frac{1}{8}$  lines.

Described from one example sent from Clevedon, Southern Wairoa, by Mr. George Munro.

2140. **C. brevicornis**, *n.s.* *Elongate*, rather narrow, convex, sparingly clothed with yellowish, decumbent, setiform scales, and a very few semi-erect setæ; derm nearly opaque, fuscous, legs and antennæ ferruginous.

*Rostrum* tricarinate and squamose, its apex red, glabrous, and finely punctate, but without any well-marked suture. *Antennæ* short, scape flexuous, normal, hispid; basal articulation of funiculus but little longer than second, one-third of the length of the scape, both joints, however, elongate. *Thorax* a little longer than broad, cylindrical, not much wider before the middle than elsewhere, not distinctly depressed or uneven anywhere, yet having a feeble dorsal furrow, closely and coarsely punctate-rugose. *Scutellum* obsolete, the space depressed. *Elytra* convex, their sides but little curved, shoulders gradually rounded and slightly exceeding the base of thorax in width; they have only feeble striæ and some ill-marked punctures, and, though without apparent elevations, seem a little uneven. *Legs* rather short, tibiæ flexuous, tarsi normal, third joint with elongate lobes.

The structure of the antennæ and the indistinct frontal suture of the rostrum, rather short legs, and well-developed carinæ on the rostrum indicate a transitional form. In this species and *C. thoracicus* the front of the thorax is a little emarginate above the eye, and then outwardly curved below it.

Length (rost. incl.),  $2\frac{5}{8}$  lines; breadth,  $\frac{7}{8}$  line.

I am indebted to Mr. H. Suter for my specimen. It was discovered by him at Forty-mile Bush, Napier.

2141. **C. impressus**, *n.s.* *Convex*, elongate; rufo-fuscous, antennæ and tarsi brick-red, clothing yellowish.

*Rostrum* red, nearly nude, shining and finely punctate in front, behind the suture tricarinate, punctate, and covered with yellow setiform scales. *Head* impressed between the eyes. *Thorax* rather longer than broad, widest before the middle, sides narrowed behind but nearly straight, much rounded in front; with a broad groove extending from base to apex, deepest near the front, which is transversely depressed and feebly bicristate, its sculpture consists of punctures and rugosities; most of the scales are congregated in lateral linear patches. *Scutellum* invisible, its region depressed. *Elytra* long, broadest just behind the shoulders, much narrowed posteriorly, shoulders thickly squamose and obliquely contracted so as scarcely to exceed the base of the thorax in width; their surface somewhat uneven, bearing rows of rather shallow punctures and ill-defined striæ, the suture is a little elevated some little distance from the base, and there are numerous large and small patches of squamiform setæ. *Legs* elongate, not very slender, tibiæ bent, third tarsal joint lobate.

This, judging from description, makes a near approach to the typical species. The carinate rostrum, grooved thorax, and differently-formed hind-body, which I believe to be wingless, are good distinguishing characters.

Length (rost. incl.),  $3\frac{3}{8}$ ; breadth,  $1\frac{1}{4}$  lines.

Mr. S. W. Fulton kindly sent me a specimen which he found under a rock in a creek on Mount Maungatua, Taieri.

2142. **C. ovipennis**, *n.s.* *Convex*, elongate; rufo-fuscous, legs obscure-reddish, but with a blackish band near the base of the femora, tarsi rufo-fulvous, antennæ and tip of rostrum red.

*Rostrum* longer than usual, its apex shining and finely punctured; at the extreme front of its squamose portion there is a narrow triangular excision, the fine margins of which converge and form a fine median carina, on each side of this there is a not very distinct, smooth, linear space. *Thorax* somewhat longer than broad, widest near the front, much narrowed and depressed anteriorly, slightly narrowed behind; disc nearly flat, with coarse irregular rugosities, broadly, longitudinally grooved near apex, where there are two setigerous crests, yellow setæ form a vitta near each side and continue backwards along the shoulders; the dorsal setæ are much finer than the others. *Elytra* elongate, oval, with oblique shoulders, scutellar region depressed, without distinct superficial inequalities, distinctly striate-punctate; third and fifth interstices a little raised and prominent at the base; they are sparsely clothed with rather fine setæ on the dorsum, but near the sides and behind there are numerous very coarse ones, which, however, do not form regular tufts. *Legs* long, anterior tibiæ much bent. *Antennæ* elongate, second joint long and slender, the third two-thirds the length of the preceding one, club elongate-oval.

A rather large but narrow species, with a long, perfectly oval hind-body. The peculiar rostral sculpture may to some extent be seen in *C. impressus*.



Length (rost. incl.), 4; breadth,  $1\frac{3}{8}$  lines.

Mr. A. T. Urquhart brought me the only individual he could obtain during a recent collecting-tour on Mount Egmont.

## Phemus.

Nov. gen.

*Rostrum* about as long as thorax, cylindric, arched, moderately stout; the glabrous anterior portion, about one-fourth of the whole length, marked off by a somewhat triangular suture; in line with this suture the antennæ are inserted; behind that point the rostrum is rugose and unevenly bicarinate. *Scrobes* elongate, oblique, deep in front, but passing almost at once to the undersurface. *Eyes* just free from thorax, minute, yet slightly prominent. *Antennæ* rather short; scape clavate at extremity, just attaining the eye; first joint of funiculus shorter than second, but distinctly longer than third, which is a little shorter than the fourth, seventh shorter than sixth; club ovate, not visibly articulated. *Thorax* oblong, a little rounded laterally, without ocular lobes. *Scutellum* indistinguishable. *Elytra* but little broader than thorax, obliquely arcuate at base, declivous and narrowed behind. *Legs* of moderate length, femora medially clavate; tibiæ sinuate inwardly, and acuminate at extremity, but oblique outwardly near the apex; *tarsi* pilose underneath, third joint oblong, entire below, deeply excavate above.

*Prosternum* emarginate in front, the coxæ slightly separated. *Metasternum* very short, its triangular frontal process or prolongation causing the middle coxæ to be only moderately distant. Hind coxæ very far apart, almost touching the epipleuræ, and appearing as if wholly embedded in the first ventral segment. *Abdomen* with five distinct segments, the basal very large, broadly rounded, almost truncate, between the coxæ, the second about half as long as the first, third and fourth short, with deep sutures. *Epipleuræ* extremely narrow throughout.

This genus is allied to *Clypeorhynchus* so far as the rostral structure is concerned, but, otherwise, is quite different.

2143. **P. scabralis**, *n.s.* Opaque, piceo-fuscous, antennæ and tarsi ferruginous, apex of rostrum pitchy-red; sparsely clothed with fine, decumbent, yellowish setæ, the depressed parts covered with scale-like matter.

*Rostrum* rugose, uneven, irregularly bicarinate; apical portion finely punctate. *Thorax* rather longer than broad, almost quite regularly, yet only moderately, rounded laterally; with a median groove extending from base to apex, its surface closely, coarsely, and rugosely punctured. *Elytra* with slightly-curved sides, their sculpture, as regards punctuation, ill-defined; there are, however, two distinct discoidal costæ on each, the outer terminates near the top of the posterior declivity, besides these there are three less distinct ones, not regular, and not raised near the base; between the costæ there appear to be series of shallow punctures, with raised intervals, but when examined sideways there seem to be only rows of small,

round, distant tubercles; on the sides similar tubercles are placed close together in regular series and look like costæ. *Legs* with numerous depressed setæ.

*Underside* coarsely punctate, metasternum broadly impressed.

Length (rost. excl.),  $2\frac{1}{8}$  lines; breadth, quite  $\frac{3}{4}$  line.

Wellington. Mr. Sandager sent me the only specimen that has been found.

## Group—CYLINDRORHINIDÆ.

### Anagotus.

*Nov. gen.*

(Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 90.)

*Rostrum* sat elongatum, ad apicem dilatatum, supra antennarum insertionem angulatim prominulo; *scrobes* obliquæ, profundæ, longe ante oculos desinentes; *corpus* tuberculatum, prothorace gracilis; *pedes* elongati, tibiæ simplices, haud mucronatæ, apicibus nullo modo dilatatis.

This is a remarkable insect, having rather the facies of an African ground-weevil than of any New Zealand form hitherto discovered, and perhaps the type of a distinct group near the *Hipporhinides*. The *scrobes* are continued to the apex of the rostrum, and there, owing to the dilatation of the latter, exposed in front; they are continued obliquely backwards, passing to the undersurface, but become obsolete about half-way to the eye. The basal joint of the *antennæ* reaches to the eye, and is nearly as long as the other joints together; the club is well marked, though slender and elongate. The *mandibles* are without scar, and are not very different from those of *Lyperobius*. The front *coxæ* are contiguous. The *metasternum* is short; the first *ventral segment* is in the middle a good deal longer than the second, which is quite twice as long as the third. *Legs* elongate and slender; *tibiæ* quite unarmed, not thickened at the apex. *Tarsi* slender, the third joint scarcely broader than the preceding ones, its apical lobes quite short; it, as well as the two basal joints, rather densely pubescent beneath, with a glabrous space along the middle.

At present this insect may be placed near *Inophlæus*, at the head of the *Cylindrorhinidæ*, till its peculiarities can be more correctly appreciated; it appears to me to have considerable affinities both with the *Amycterides* and *Hipporhinides*, though differing greatly from the former by the elongate rostrum.

2144. **A. helmsi**, *n.s.* *Niger*, indumento sordide fusco vestitus, femoribus versus apicem late albido-cingulatis; prothorace elytrisque tuberculatis.

Long. (cum rostro), 18mm.

*Thorax* slender, longer than broad, approximating to cylindric, but the upper surface very irregular, with an elongate elevation in the middle in front; a rather large prominence on each side of this,

and other smaller less conspicuous asperate tubercles. *After-body* very convex, very narrow at the base, with a longitudinal series of large tubercles near the suture, and a row of smaller tubercles outside this and marking the part where the sides become perpendicular (these slope even a little inwards), and with other smaller asperities, and with longitudinal series of large punctures or pits, which are indistinct in the spots where the tubercles are much developed. *Legs* elongate and slender.

This remarkable species has been discovered at Greymouth by Mr. Helms, and a specimen sent to me.

### Phæophanus.

2145. **P. similis**, *n.s.* *Opaque*, fusco-niger, antennæ and tarsi piceous; nearly nude, there being only a few pallid scales.

Very much like *P. rugosus*. Rostrum densely and minutely sculptured, as is also the thorax, with some moderately large punctures disposed in rows along the broadly-grooved sides as well as on the upper surface; the head with closer but finer punctures, and, on the middle of the back part, with fine, transverse rugosities. *Thorax* widest near the front, contracted behind the middle; it has an elongate central elevation in front, there are two short ones on the middle both of which appear to unite with the frontal one, besides these there are some other inequalities, depressions as well as elevations, and a few punctures. *Scutellum* small. *Elytra* with series of large, but not deep, punctures; the suture and the third and fifth interstices more or less irregularly raised, the fifth with a more evident nodosity than the third, on the top of the posterior declivity, and situated farther back, the seventh marks the lateral declivity and bears six or seven nodiform elevations, the apical sculpture is less distinct.

Length (rost. excl.),  $5\frac{1}{2}$ ; breadth,  $2\frac{1}{4}$  lines.

Mokohinou Island. Described from a specimen which had been picked up dead by Mr. Sandager.

2146. **P. lituratus**, *n.s.* *Elongate*, convex, opaque, dull-black; clothed with minute, depressed, pale infusate-red and greyish scales; these latter forming a sort of vitta along each side of the thorax, extending backwards along the shoulders, and then incurved near the middle of each elytron; there are a few less obvious spots behind, and one on the four hinder thighs; there are hardly any setæ, what there are are short and coarse, quite squamiform; tarsi shining-piceous; antennæ dark-red.

*Rostrum* quite as long as thorax, broadly grooved above, its sides nearly perpendicular and broadly grooved, apex dilated, pterygiate. *Scrobes* quite apical, deep, passing to the undersurface and prolonged, but not deeply, to near the inferior margin of the eyes. *Scape* finely setose, flexuous, incrassate at extremity, barely reaching the eye; second joint of funiculus nearly as long as first; club densely pubescent, elongate-oval, acuminate. *Eyes* widely separated above,



narrow, free, very little convex. *Thorax* longer than broad, broadest near the front, uneven, nearly straight-sided behind; with a short longitudinal elevation on the middle near the apex, two tubercles on the middle having indistinct elevations proceeding backwards, the base between them appearing depressed, there is another elongate elevation near each side before the middle, the sides too are uneven, there are no punctures. *Scutellum* small. *Elytra* very elongate-oval and convex, narrowed at base to width of thorax, sides vertical, apex sloping; they have rows of coarse punctiform impressions, a broad curved groove near each shoulder, the third, fifth, sixth, and seventh interstices are more or less irregularly raised, third nodose behind, fifth ending with a smaller nodosity placed further back, nearly similar sculpture extends down the hind slope. *Legs* long; femora notched at apex, clavate; tibiae flexuous, mucronate.

*Underside* clothed and coloured like the upper surface, almost impunctate. *Prosternum* deeply emarginated; *ocular lobes* distinct; no scar on the mandibles: posterior *tibiae* a little expanded at apex, without cavernous corbels; *tarsi* with dense brush-like soles, basal joint nude, or nearly so, at base, lobes of the third narrow.

Length (rost. incl.),  $7\frac{1}{2}$ ; breadth,  $2\frac{5}{8}$  lines.

Mount Egmont. I owe my specimen to the kindness of Mr. A. T. Urquhart.

OBS.—*Phæophanus*, *Heteraomus*, *Phoxoteles*, and *Anagotus* are nearly-allied forms.

## Heteraomus.

### Nov. gen.

*Rostrum* moderately elongate, dilated at apex (pterygiate), otherwise parallel-sided, apex deflexed. *Scrobes* deep, visible above in front, directed towards the underside but not reaching the eyes. *Antennæ* elongate, scape attaining the eye, thickened at the extremity, squamose; funiculus 7-articulate, two basal joints elongate, second rather longer than first; club elongate-oval. *Eyes* free, oviform, yet almost truncate in front, transverse, rather large, not widely separated above. *Thorax* subcylindric, widest near the front, widely incurved above the eyes and obtusely rounded below so that the ocular lobes are moderately developed. *Scutellum* small. *Elytra* oblong-oval, truncate at base and closely adapted to thorax, scarcely exceeding it in breadth, apex sloping, not suddenly deflexed. *Prosternum* emarginate, anterior *coxæ* prominent and contiguous, separated in front only by the short sternal process; *mesosternum* moderate, its rather broad process extending backwards half-way between the middle *coxæ* so as to overlap the anterior projection of the *metasternum*, which is short; posterior *coxæ* widely separated. *Abdomen* cuneiform, its two basal segments large, each about as long as the *metasternum*, their suture sinuous, next two short with deep, straight sutures, the apical equalling the basal in length. *Epipleuræ* extremely narrow; *pseudepipleuræ* vertical. *Legs* long, tibiae flexuous, unarmed at apex, corbels not cavernous; *tarsi* elongate,

with dense, brush-like soles, but nude along the middle, third joint excavate above but not at all bilobed.

*Phæophanus* is an allied form. *Anagotus* has the third tarsal joint bilobed. The species are apterous.

2147. **H. longipes**, n.s. *Squamosity* fine, dense, variegate, mostly pale-brown or testaceous, white scales often form an incomplete band beyond the middle of the thighs, and sometimes a stripe along their inner face, besides some irregular marks on the thorax and elytra; the pallid setæ seem to be confined to the tibiæ and underside, which is black but glossy, above it is opaque.

*Rostrum* shining-black at apex, with two broad, oblique, convergent grooves just behind the margins of the frontal impression, all this portion deflexed; the top of the declivity bears two obtuse ridges, the sculpture behind these consists almost wholly of small granular elevations, which, however, are not continued to the eyes; these have their greatest bulk in the transverse direction. *Thorax* widest near the front, truncate at base, middle of apex curvate; its surface uneven, for, besides many small black tubercles, there are a central apical elevation, one lateral at its widest part, and four less conspicuous ones on the disc. *Elytra* narrowed to width of thorax, the summit of hind slope bears four elevations, two near the suture and one at each side, there are two near the extremity and two near the base; the dorsum itself is uneven and bears rows of tubercular elevations and intervening depressions, which, however, are obsolete near the suture.

*Underside* more or less covered with scales of a redder colour than those above. The *palpi* porrect, placed as it were at apex of mentum.

Length (rost. incl.),  $8\frac{1}{2}$ ; breadth, 3 lines.

Boatman's, near Reefton. Two specimens, found by Mr. A. T. Cavell.

## Phoxoteles.

*Nov. gen.*

Differentiated from *Phæophanus* by the almost entire absence of ocular lobes; from *Anagotus* by the structure of the tibiæ, which, in *Phoxoteles*, terminate inwardly in a small spiniform process, perhaps too by the widely-separated eyes and want of distinct ocular lobes, but as Dr. Sharp does not allude to these in his description of *Anagotus* I am not in a position to judge.

Though so closely allied, the species representing the two genera, *Phæophanus* and *Phoxoteles*, differ considerably in superficial appearance.

This genus is proposed for the systematic location of No. 1513, which now must stand under the name *Phoxoteles graniger*.

## Rystheus.

*Nov. gen.*

*Body* very narrow and elongate, cylindrical, convex, finely and sparsely hispid. *Rostrum* arched, moderately stout; in front of

antennal insertion (one-third of the whole length) rather broader than the moderately-narrow hinder portion, not carinate, about as long as the thorax. *Scrobes* oblique, deep near the apex, continued along the lower surface to the eyes. *Antennæ* pubescent, of moderate length; scape rather slender and flexuous, clavate at extremity, attaining the eye; funiculus 7-articulate, basal joint elongate, its apex clavate, second very elongate, about as long as the following four, 3-7 subquadrate, very gradually and very slightly thickened; club oviform. *Eyes* free from thorax, widely separated above, almost truncate behind, rounded, rather small, subdepressed, smooth and glassy. *Thorax* truncate at base and apex, without ocular lobes. *Scutellum* invisible. *Elytra* apparently connate, longer than thorax, their sides and apical portion vertical. *Legs* elongate, the anterior considerably longer than the others, the posterior shortest; femora simple, curvate above; *tibiæ* flexuous, the inner extremity acuminate; *tarsi* hispid, rather narrow, third joint deeply bilobed, claws small. *Prosternum* emarginate in front, broadly depressed in the middle. *Metasternum* moderately elongate. *Abdomen* elongate, its basal segments convex. Front *coxæ* large, prominent, subcontiguous; the middle pair moderately, the posterior widely separated. *Epipleuræ* obsolete.

The peculiar hyaline eyes, very narrow cylindrical form, and unequal legs, are characters which, taken together, differentiate this from all the other New Zealand weevils. It may be placed amongst the *Cylindrorhinidæ* for the present, but I cannot point out any near ally.

2148. *R. ocularius*, *n.s.* Opaque, sparingly clothed with decumbent, yellowish, hair-like setæ; the rostrum, front legs, and sides of the body blackish, the dorsum obscure fusco-rufous, the tarsi and four hind legs ferruginous, antennæ red.

*Rostrum* with some feeble distant punctures, much more finely and closely sculptured at the apex, the surface along the inner side and front of the eyes very slightly raised, with a distinct, elongate, interocular depression. *Head* thickened behind. *Thorax* evidently longer than broad, gradually depressed towards the base, just appreciably broader in line with the coxæ than it is elsewhere; its sculpture consists of scattered wart-like elevations, on the sides it is rugose, a combination of punctures and asperities. *Elytra* with two large nodiform prominences on top of the posterior declivity, a smaller one on each side just below these, and about four others, all small, on the hind part; there are four slight, elongate, basal elevations, so that there seem to be three sulci there; the rest of their surface uneven, with slight longitudinal elevations and numerous minute granules, or similar inequalities; the sides have three or four series of rather large distant punctures. Front *thighs* rough, with wart-like sculpture.

Length (rost. excl.),  $2\frac{1}{8}$  lines; breadth,  $\frac{1}{2}$  line.

Wellington. Mr. Sandager presented me with his unique specimen.



**Hygrochus.**

2149. **H. verrucosus**, *n.s.* *Fusco-niger*, covered with small variegate, chiefly yellowish, scales, these latter most apparent on the sides and base of thorax and the scutellar region; longer grey scales or setæ form an indefinite fascia on the posterior declivity; tarsi and funiculus ferruginous.

*Form* similar to *H. oscitans*, except that the present species has the thorax distinctly longer than broad, it is more narrowed behind, the frontal portion being widest.

*Head* and *rostrum* as long as thorax; the rostrum nearly as broad as the base of thorax, its median carina well developed. *Scapæ* red, nude and shining at base, a little thickened, opaque, and hispid beyond; funiculus hairy, first two joints longest, joints 3-7 about equal; club elongate-oval, finely pubescent. *Thorax* a little uneven, disc but little convex, with some small wart-like elevations. *Elytra* ovate, base truncate, narrowed and declivous behind; they bear series of rather large, but not very regular, punctiform impressions, and, especially on the basal portion, numerous black, shining warts.

There are no ocular lobes. The extremity of the hind tibiæ is not cavernous, being ciliated at the sides only. *Scrobes* large and broad, visible from above, their upper part sharply limited by the side of the rostrum, the scape, however, is received into the groove which extends to the lower margin of the eye, the hind portion, rather shallow above, extends from the upper to the lower part of the eye. Numerous fuscous setæ are distributed over the surface.

Length (rost. incl.),  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Howick. One example, found amongst decaying vegetable matter on the ground.

2150. **H. illepidus**, *n.s.* *Piceous*, tarsi and antennæ brick-red; covered with obscure yellowish, elongate, mostly decumbent scales, and a few scattered setæ.

*Rostrum* nearly as broad as base of thorax, almost as long, its median carina not attaining the eyes and not well defined. *Scrobes* with a squamose space above in front of the eyes, but well marked below, quite similar in fact to those seen in the preceding species. *Thorax* hardly longer than broad, widest near the front; uneven above, destitute of tubercular elevations, with ill-defined depressions. *Scutellum* minute, squamose. *Elytra* ovate, base sinuous, shoulders obliquely narrowed, so as scarcely to exceed base of thorax in width, obtusely dilated just behind these, and again, but to a less extent, in line with hind thighs; their surface is uneven, there being a depression extending almost right across between the hind femora, and another strongly-curved one behind the top of the apical slope, there are indications of large shallow punctures and a few minute black tubercles, but there are no distinct regular elevations.

This insect, it seems to me, forms a connecting link between the typical species of *Hygrochus* and *Homodus*. The rostral excavation

is like that of the former, the upper shallow portion being squamose; in *Homodus* the squamose space extends to the lower part of the eye, thus abbreviating the scrobe. The rostrum (in *Homodus*) is so raised, not merely carinate, that a curvate depression is formed extending from between the eyes to the middle of the scrobes. Posterior tibiæ with narrowly cavernous corbels.

Length (rost. incl.),  $2\frac{5}{8}$ ; breadth,  $1\frac{1}{8}$  lines.

Clevedon, Southern Wairoa (Auckland). One example, found on the ground by Mr. George Munro.

### Geochus.

2151. *G. similis*, *n.s.* *Piceous*, a little shining, legs infuscated-red, antennæ testaceous, club blackish; sparsely clothed with erect, fine, pale straw-coloured setæ.

*Rostrum* with two punctured grooves converging near the eyes. *Thorax* moderately distantly punctured; narrowed towards the front, near which there is a slight constriction. *Elytra* striate-punctate (six dorsal striæ on each elytron), a little transversely rugose.

Very much like *G. rugulosus*, the thorax, however, much more distantly punctured, especially along the middle; rostrum reddish instead of black; setæ much less numerous. *Underside* more glossy, with finer setæ but more punctures, not by any means closely punctured however, quite the reverse.

Length (rost. incl.),  $\frac{3}{4}$ ; breadth,  $\frac{1}{2}$  line.

Tairua. Three individuals, found during a recent collecting-tour in that district.

2152. *G. nodosus*, *n.s.* *Subopaque*, very sparingly clothed with minute pallid setæ, they are like mere specks on the body, but are longer on the legs; rostrum, thorax, and legs infuscate-red; elytra paler, with about fourteen testaceous nodosities; antennæ (save the infuscate club) clear rufo-testaceous.

*Rostrum* convex, and contracted above near the eyes, not punctate. Head with some fine distant punctures. *Thorax* much narrowed anteriorly, with two oblique, shallow depressions in front of the middle, the surface distinctly and moderately closely punctured, basal margin with numerous setæ. *Elytra* with (on each) six rows of punctures, the sutural extending from base to apex, the others more or less interrupted; third and fifth interstices elevated at the base, on the top of the hind slope there are four elongate nodiform elevations (on each elytron) and one behind near the suture.

*G. inæqualis* most nearly resembles this species, which, however, differs in coloration and in the elytral interstices.

Length (rost. incl.), 1; breadth,  $\frac{5}{8}$  line.

Mount Manaia, near the entrance of Whangarei Harbour. One example.

Obs.—In the generic description, page 446, second line, “but with pectoral canal” should be “but *without* pectoral canal.”

**Lyperopais.***Nov. gen.*

*Rostrum* as long as thorax, much curved downwards in front, this curvate portion thick vertically and broadly grooved above, thus appearing obtusely carinate laterally. *Scrobes* broad and deep, they start from between the middle and the apex but do not quite attain the eyes; the upper part of the rostrum being narrower than the lower, especially near the front, the scrobes are visible from above throughout their whole length, but are more open or wider near the point of the antennal insertion. *Mandibles* moderately prominent. *Eyes* depressed, oblique, oviform, separated from the thorax by a short space. *Antennæ* implanted before the middle; scape much curved, a little thickened towards the extremity, reaching the hind margin of the eye; funiculus 7-articulate, basal joint not clavate, about two-thirds the length of the elongate second joint, third half the length of the preceding one, joints 4-7 each longer than broad, almost obconical; club ovate, densely pubescent, not very definitely articulated. *Thorax* transverse, base truncate, feebly incurved behind the eyes. *Scutellum* small, curvilinearly triangular. *Elytra* wider than thorax at base, twice its length, much narrowed apically, with a slight sutural notch. *Legs* stout, femora inflated; deeply hollowed underneath at apex, the posterior armed with a stout tooth-like process: tibiæ flexuose, the anterior inwardly produced at the extremity, the posterior narrowed at base and there furnished with an acute process meeting that of the thigh, apex dilated and cavernose: tarsi densely clothed below, basal joint very slender at base, its widest part triangular, second short, triangular, third bilobed, cleft nearly to its base, claws simple. *Coxæ* prominent, the anterior almost contiguous, intermediate more widely separated. *Metasternum* rather short. Abdomen with five segments, the two basal largest, the others narrow. *Epipleuræ* very narrow.

Allied to *Lyperobius*, but well differentiated therefrom by the structure of the rostrum and legs.

2153. **L. mirus**, *n.s.* *Subopaque*, dull pitchy-red, rostrum and tarsi darker; sparsely clothed with small, depressed, greyish, reddish, and greenish scales, the palest predominating but none conspicuous; moderately elongate and convex.

*Rostrum* with rather shallow punctures, nearly smooth in front, there are two elongate punctiform impressions at the apex, and its hinder half is subcarinate along the middle. Head distinctly but not coarsely punctuated, with an interocular impression. *Prothorax* broadest before the middle, convex, a little sinuate at apex, its sides medially rounded but contracted behind, constricted anteriorly; closely punctured near the sides, where the squamosity is most apparent, but with fewer punctures on the disc. *Elytra* at base not greatly exceeding the middle of thorax in width, their sides for half their length but little curved, considerably narrowed posteriorly; striate-punctate, interstices appearing as if slightly



rugose, the third and fifth rather broader and more elevated than the others; the pleuræ rather abruptly deflexed; some of the scales are similar in colour to the derm so that the true sculpture of the interstices is not very readily detected.

*Underside* blackish, clothed in much the same way as the upper surface.

♂. Length (rost. incl.),  $5\frac{1}{4}$ – $5\frac{1}{2}$ ; breadth,  $1\frac{3}{4}$ –2 lines.

The first specimen was brought from Mount Arthur by Mr. T. F. Cheeseman, and I possess some others which were taken off spear-grass on Mount Peel, at an elevation of 5,500ft., by Mr. G. V. Hudson and Mr. C. W. Palmer, of Wellington.

### Group—HYLOBIIDÆ.

#### *Eiratus*.

2154. *E. pyriformis*, *n.s.* *Elongate*, subovate, convex, somewhat shining, bearing only a few fine grey hairs; pitchy-red, antennæ red, club blackish.

*Rostrum* scarcely as long as thorax, very gradually and slightly expanded apically, neither closely nor coarsely punctured; *eyes* moderate; *head* dilated and almost smooth behind the eyes. *Antennæ* stout, scape flexuose and incrassated apically; first joint of funiculus large, second rather shorter and much more slender, joints 3–7 increase in breadth, so that the seventh is nearly as broad as the base of the club, which is large, ovate, and opaque. *Thorax* distinctly longer than broad, gradually narrowed anteriorly, only very slightly constricted at apex; closely, coarsely, and rugosely punctate. *Scutellum* small. *Elytra* subcordate, bisinuated and finely margined at base, where they hardly exceed the thorax in width, widest behind the middle, their apical portion much narrowed; somewhat uneven above, impressed before the middle, rather coarsely punctate-striate, interstices rather narrow and convex and a little rugose. *Tibiæ* strongly armed at the extremity.

Very much like *E. versutus*, exactly similar in structure, the thorax more gradually narrowed towards the front, and with a more or less obvious longitudinal elevation on the dorsum; the hind-body, though just perceptibly curved at the sides, does not become contracted till in line with the hind slope, but there the narrowing is rather abrupt; the striæ are well marked, whereas in *E. versutus* the striæ are more apparent than real, the punctures being large and contiguous.

Length (rost. incl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Mount Arthur. Two examples.

2155. *E. rugosus*, *n.s.* *Convex*, subovate, dull fusco-piceous, slightly rufescent, antennæ red, club black, very sparingly clothed with fine grey hairs.

Another near congener of *E. versutus*, the *thorax*, however, more coarsely and rugosely punctured; *elytra* quite cordiform, their series of punctures very coarse and irregular, and with costiform inter-

stices, the first costæ most conspicuous behind, the second and fourth extend from the base backwards, the third does not attain the base. *Legs* robust.

Length (rost. incl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Waitakerei Range.

## Group—ERIRHINIDÆ.

### Dorytomus.

2156. **D. grossus**, *n.s.* *Oblong*, subdepressed, moderately shining, pitchy-black, femora red, antennæ obscure-red, tarsi and club fuscous, the last joint of the former and extremity of the latter reddish; body very sparingly clothed with excessively minute grey hairs.

*Rostrum* nearly twice the length of thorax, slender, subparallel, very slightly dilated at antennal insertion, arched, so sculptured as to appear covered with elongate punctate depressions and irregular linear elevations. *Antennæ* implanted before the middle; *scape* elongate, slender, straight, gradually thickened towards the extremity; *funiculus* shorter than scape, first joint longest, second about as long but more slender, joints third and fourth subquadrate and equal, sixth and seventh transverse; *club* oblong, elongate, narrowed apically, apparently four-jointed, opaque with fine pubescence. *Eyes* subdepressed. *Prothorax* feebly bisinuate at base, transverse, its sides nearly straight, being only a little rounded towards the front, where it is strongly and abruptly contracted; the disc is moderately punctured, but the sculpture becomes more rugose and subgranular near the sides. *Scutellum* small, transversal. *Elytra* oblong, but little wider than thorax anywhere; evidently punctate-striate, interstices slightly convex, finely punctured and a little rugose, the intermediate abbreviated behind but not forming any obvious callosity on the summit of the hind slope. *Legs* robust, anterior *femora* inflated and dentate below, the posterior more strongly angulated than the middle pair; *tibiæ* flexuose, bearing yellow pubescence near the extremity, distinctly sculptured; *tarsi* short and stout, third joint strongly bilobed, apical joint short.

Female. *Antennæ* medially inserted, scape very slender; *rostrum* almost as long as hind-body (2 lines), slender, parallel, arcuate, its sculpture very much finer than that of the other sex; front *thighs* with a minute tooth underneath.

This is by far the largest New Zealand species, remarkable for its oblong outline and very robust legs. The coloration too is very unusual.

Length (rost. excl.),  $3\frac{3}{8}$ ; breadth,  $1\frac{1}{4}$  lines.

Messrs. Cheeseman and Adams brought me a pair from Mount Arthur.

### Tysius.

2157. **T. purus**, *n.s.* *Body* obscure-red, apical portion of *tibiæ*, the *tarsi*, and the *scape* fusco-testaceous, *funiculus* infuscate; covered with small greyish scales and erect setæ.

This is nearly allied to *T. amplipennis*, but differs therefrom in the paler squamosity, which, in that species, approaches pale-brown in colour; on the sides of the *elytra* the squamæ are as dense as they are elsewhere, so that the dark lateral areas are absent. The *hind-body* is somewhat longer and not quite as broad, it is broadly impressed near the base, without distinct elevations or crests, the second and third interstices, at the middle, are slightly convex, so that the striæ seem to be deeper there, the fifth is only slightly raised behind. *Pygidium* exposed.

*Underside* with greyish hair-like scales. *Metasternum* convex and glabrous in the middle.

Length,  $1\frac{1}{2}$  lines (rost. excl.); breadth,  $\frac{5}{8}$  line.

Mokohinou Island. A single specimen, with one leg off, is all I have seen. It was found by Mr. Sandager.

### Eugnomus.

2158. **E. argutus**, *n.s.* (*Sharp*; *Ent. Mon. Mag.*, vol. xx., p. 67.) *Angustulus*, rufescens, subtus squamulis albidis (ad humeros densioribus et subochraceis) vestitus; superne pile depressa vestitus, scutello suturaque ad basin albido-squamosis, elytris ad basin circa scutellum fasciaque mediali sat arguta nigro-sanguineis.

Long.,  $4-4\frac{1}{2}$  mm.

This species has the *surface* more densely clothed, and with a rather more definite limitation of the marks than is usual in the allies. The *antennæ* are pale-red, and the rostrum is red, the head behind the eyes more obscure; both are densely punctate, as is also the thorax, and all these parts are clothed with depressed, fine, hair-like scales of a pale-flavescent colour, a white line of rather coarser scales running along the middle of the thorax; this white line is continued along the scutellum and on the basal portion of the suture; and around the pale line thus formed at the base of the elytra there is a patch of colour of a much darker red than the general ground-colour, and on the middle there is an irregular sub-angulate fascia of similar dark vinous-red colour; the rest of the elytra has a pale clothing, which is most dense and definite behind the medial fascia; the surface bears a few fine, upright, pale hairs.

Mr. Helms has sent five specimens of this species from Grey-mouth; and I have a pair in bad condition of a closely-allied but distinct species, found by Mr. Wakefield at Christchurch.

2159. **E. nobilis**, *n.s.* *Elongate*, almost nitid; body blue, femora red, tibiæ and antennæ blackish; elytra evenly covered with golden-yellow, depressed hairs, those on head and thorax more scanty, and a few short, slender, upstanding, fuscous ones, which, however, are not easily seen.

*Rostrum* longer than thorax, somewhat dilated apically, so that the beginning of the scrobes can be easily seen from above; behind the antennal insertion closely, coarsely, and rugosely punctured, in front more finely and somewhat lineated, with an almost smooth



longitudinal space; mandibles and palpi prominent. *Antennæ* implanted near the apex, bearing black hairs; scape slender, gradually thickened, attaining back part of eye; basal joint of funiculus longest, second more slender but as long as third and fourth; joints 3-7 decrease in length; club triarticulate, oblong, opaque with dense pubescence. *Head* narrowed towards the eyes, closely and coarsely punctate; vertex slightly concave; eyes distant from thorax, convex, very prominent, distinctly faceted. *Prothorax* much constricted in front, its sides rounded; its sculpture like that of the head. *Scutellum* oblong. *Elytra* suboblong, not broader at the shoulders than elsewhere; sub-striate-punctate; interstices broad and plane, bearing close granulose sculpture, each granule appearing to have a puncture from which the pubescence proceeds, the sculpture becomes finer behind. *Pygidium* prominent, triangular, blackish, coarsely sculptured. *Femora* stout, anterior medially inflated, intermediate thicker, with a minute denticle underneath, appearing widely notched at the extremity, posterior compressed, strongly angulated and dentate below; *tibiæ* nearly straight; *tarsi* elongate, third articulation cleft to its base, its lobes narrow, so that the minute, true fourth joint can be detected, apical joint as long as the first and second taken together; *claws* thickened at base.

This is the finest species yet brought to light. It is rather long-bodied, with an unusually protuberant pygidium, more prominent, and more rounded, eyes than in the more typical forms, &c. My experience of the *Eugnomii* does not warrant the institution of a new genus for the reception of this and the following species, all of which exhibit numerous little differences, but these are differences of degree only, and cannot be deemed to be of sufficient importance to separate them generically from such species as *E. fervidus* and *E. picipennis*.

Length (rost. excl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{2}$  lines.

I am indebted to T. F. Cheeseman, Esq., F.L.S., and J. Adams, Esq., B.A., for the only specimen I have seen. They brought it from Mount Arthur.

2160. *E. ænescens*, n.s. *Elongate*; thorax and elytra of a dark-violet colour, the latter with a brassy hue, legs and antennæ blackish; tarsi and club fuscous; clothed with fine yellowish-grey hairs, with numerous short, upright ones of the same colour on the wing-cases.

*Rostrum* coarsely and closely punctate, more finely in front, where it is dilated and obsoletely carinate. *Thorax* constricted at the apex, rounded laterally, convex, coarsely and closely punctured. *Scutellum* oblong. *Elytra* suboblong, narrowed posteriorly, almost striate-punctate; interstices broad and plane, appearing densely rugose, the sculpture granular, with a puncture in each granule; the sculpture becomes finer behind, and there the punctation assumes the form of striæ. *Pygidium* protruding, triangular, black, coarsely granulate.

In form and sculpture like the preceding (*E. nobilis*) but with more slender legs. The erect hairs on the hind-body are conspicuous, and there are some blackish ones on the thorax. The second joint of the funiculus is about as long as the first, but slender, the third is rather longer than the fourth, both of these are obconical, joints 4-7 are moniliform, the club is ovate-oblong.

Length (rost. incl.),  $3\frac{1}{4}$  lines; breadth, 1 line.

One example. Mount Arthur. Cheeseman and Adams.

2161. **E. cyaneus**, *n.s.* *Body* blue, elytra tinged with green, antennæ blackish, tarsi and club more or less infusate; clothed with slender ash-coloured hairs, and bearing also some erect but not coarse ones on the wing-cases.

In form, colour, and clothing, just intermediate between *E. ænescens* and *E. tarsalis*. The antennæ and tarsi resemble those of the former species, the funiculus, however, is rather shorter, the two basal joints are not so stout, and the third is not appreciably longer than the fourth, which is obconical, joints 5-7 are bead-like; the club is ovate-oblong and distinctly articulated. The pygidium is horizontally protuberant, subtriangular, and coarsely sculptured. The superficial sculpture and other details do not differ materially from those of *E. ænescens*.

Length (rost. incl.),  $3\frac{1}{8}$  lines; breadth, 1 line.

From the same locality as the foregoing species.

2162. **E. tarsalis**, *n.s.* *Elongate*, dark-blue, antennæ pitchy-black, tarsi infusate; very sparingly clothed with minute greyish hairs, none of which are at all conspicuous.

Resembles *E. ænescens* in sculpture and in structure, but the form is somewhat different. The *thorax* is a little shorter; the *elytra* are not subtruncate at the base as in that species but are distinctly bisinuate, they are rather shorter and very gradually narrowed from the shoulders backwards, and, moreover, the apices are obviously *individually* rounded. The *pygidium* is of oblong form, prominent, and apparently quite smooth and shining; most likely, however, this is merely a sexual character. The *tarsi* are remarkably slender and elongate; the two basal joints, singly, equal the terminal in length, even the third is but little expanded, the apical is similar to that of the other allied species. The *antennæ* are more elongate, the second joint of the funiculus quite equals the first, the third is decidedly longer than the fourth, the others decrease gradually; club elongate, ovate-oblong.

A second example is faintly æneous, the club is a little rufescent, and the after-body is a little larger.

Length (rost. incl.),  $2\frac{7}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Derived from the same source as the other cognate forms.

2163. **E. lituratus**, *n.s.* *Black*, scape rufescent, tibiæ and tarsi obscure rufo-fuscous; the clothing of the elytra to beyond the middle consists of fine upright greyish scattered hairs, and more

numerous and finer decumbent ones ; these latter abruptly cease, leaving a large, conspicuously black space extending from each side to near the suture ; on the apical declivity fine slender grey scales cover five interstices, the suture being clothed in the same way nearly as far as the middle of the dorsum.

Rather larger than *E. interstitialis*, similar in sculpture ; hind-body materially different in form, being nearly quite oblong, there being no perceptible narrowing until after the hind thighs, and even then the apical portion is much less contracted ; only a small portion of the pygidium is uncovered, and that part is unusually broad ; the eyes are a little further apart, and the depression between them is less marked.

Length (rost. excl.),  $1\frac{7}{8}$  lines ; breadth,  $\frac{7}{8}$  line.

Taieri, Otago. Two, from Mr. S. W. Fulton.

### **Oreocharis** (Gen., p. 864).

2164. *O. vittata*, *n.s.* *Elongate*, subopaque, blackish, sparingly clothed with slender, pale-cinereous hairs, and elongate depressed grey scales, these latter forming three more or less regular longitudinal streaks on the thorax and wing-cases, not, however, sharply defined.

*Rostrum* cylindrical, as long as thorax, closely and coarsely punctate, and bearing some indistinct linear elevations ; antennal insertion near the apex, scrobes visible from above ; palpi prominent. *Scape* slightly longer than funiculus ; basal joint of the latter largest, slender at base, second rather longer than third, joints 4-6 about equal, submoniliform ; club elongate, about as long as funiculus, densely pubescent, indistinctly articulated, so that the two subequal basal joints appear shorter than the following ones. *Head* narrowed towards the eyes, closely punctate. *Thorax* about as long as broad, gradually narrowed towards the front, which is slightly constricted ; its surface closely punctate. *Scutellum* sub-oblong. *Elytra* elongate, oblong, nearly truncate at base, they are broadest there but scarcely twice the breadth of thorax and about three times longer, apices individually rounded ; almost striate-punctate, interstices strongly rugulose. Anterior *femora* not dentate, intermediate compressed, and strongly angulated below, the extremity of the angle forming a prominent tooth, the posterior normal, tibiae flexuose ; tarsi moderate, second joint of triangular form, third cleft to its base with moderately broad lobes.

The elongate contour approximates this species to No. 1267 (*O. cyanea*), but the thorax is relatively longer and narrower and less constricted in front, and the rostrum also is longer.

♂. Length (rost. incl.),  $2\frac{1}{2}$  lines ; breadth,  $\frac{7}{8}$  line.

Mount Arthur. Messrs. Cheeseman and Adams ; one example.

2165. *O. dealbata*, *n.s.* *Elongate*, subopaque ; head, thorax, legs, and antennal club blackish ; funiculus, knees, and tarsi infuscate ; elytra ferruginous ; sparsely clothed with slender greyish



hairs, and whitish depressed scales, these latter covering most of the undersurface and often forming a streak down the middle of the thorax; the scales on the wing-cases seem to be very easily rubbed off, the disc being nearly nude.

*Rostrum* as long as thorax, moderately stout, subparallel, closely and coarsely punctate, indistinctly tricarinate. *Antennæ* inserted near apex, scape flexuous, thickened apically, attaining the middle of the eye; second joint of funiculus longer than third, but shorter than first, joints 4-6 transverse, bead-like; club ovate-oblong, opaque, about as long as funiculus. *Eyes* distant from thorax, moderately convex. *Prothorax* slightly longer than broad, somewhat constricted in front, its sides but little curved, subconical, moderately punctated. *Scutellum* small. *Elytra* suboblong, distinctly wider than thorax at base, gradually narrowed posteriorly; obviously striate-punctate but appearing punctate-striate in some lights, interstices neither very wide nor convex, punctate-rugose. Front *femora* simple, intermediate angulated below so as to seem deeply notched near the extremity (in the male the angulation ends in a tooth), posterior compressed, strongly angulated and dentate; front *tibiæ* nearly straight, hind pair very much bent and thickened beyond the middle, the basal portion also forming part of the curvature but not much more than half the width of the lower.

*Underside* blackish, densely clothed with whitish scales.

The sharply-defined coloration serves to distinguish this species. Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Two examples, from the same locality as the preceding one.

### Hoplocneme.

2166. *H. inæquale*, *n.s.* Broad, uneven; glossy, almost destitute of pubescence, head and thorax blackish with a slight bluish tinge, elytra blackish tinged with red, antennæ, snout, and legs also dark, base of femora red, tibiæ infuscate.

*Rostrum* longer than head, a little dilated anteriorly, more or less punctate. *Head* rather coarsely and rugosely punctured, not depressed; eyes prominent. *Antennæ* rather slender, basal joint of funiculus almost double the thickness of second, which is half as long again as the third, the next three about equal; club elongate, rather shorter than the funiculus. *Prothorax* conical, elongate, covered with transverse wrinkles and punctures. *Scutellum* oblong, squamose. *Elytra* suboblong, striate-punctate, uneven, there being an oblique depression on each behind the base, and a conspicuous elevation on the third interstices in line with the hind thighs, sometimes bearing black hairs on its summit; they are rather abruptly deflexed apically. *Pygidium* but little exposed. *Femora* inflated; the posterior strongly angulated and protuberant underneath, their tibiæ curved.

A remarkable form. Differs from the typical species in having the rostrum, head, and thorax rather longer, but the elytra much broader and shorter, and bearing protuberances after the manner

which obtains in *Scolopterus*; the interstices are neither distinctly punctured nor rugose.

Length (rost. incl.),  $2\frac{1}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Mount Arthur. Cheeseman. Another specimen, sent from Puysegur Point by Mr. Hansen, but not in good condition, has reddish legs and chestnut-coloured elytra with testaceous tubercles.

2167. **H. cyanea**, *n.s.* *Shining*, head and thorax blue, elytra somewhat violaceous, legs dark-blue, the knees and tarsi infusate, antennæ nigro-fuscous, the scape (except at apex) fuscous.

*Rostrum* closely punctured at the sides, nearly smooth along the middle, it bears elongate pallid hairs. *Head* nearly subquadrate behind, closely and moderately coarsely punctured, quite rugosely and densely at the sides; with numerous short, slender, pale hairs; the neck as wide as the front of the thorax, minutely and densely sculptured. *Eyes* large, very prominent, longitudinally oval, more approximate in front than behind. *Thorax* convex, just about as long as broad, widest at the base, very much, and rather abruptly, narrowed in front, apical margin smooth; its punctuation rather coarse, more or less transversely confluent, appearing rugose; clothed with slender hairs. *Elytra* convex, suboblong, gradually narrowed and depressed posteriorly; striate-punctate, the punctures close; interstices with numerous transverse rugosities, and with a series of rather elongate slender pallid hairs on each. *Legs* pubescent, posterior femora strongly angulated below, tibiæ curved. *Pygidium* black.

*Underside* more or less clothed with greyish hair-like scales.

Length (rost. excl.),  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Howick.

OBS.—This does not agree with the description of *H. hookeri*, which should have reddish legs, and no pubescence above.

### Stephanorhynchus.

2168. **S. nigrosparsus**, *n.s.* *Variegate*, pitchy-brown; except the head and thorax, densely covered with elongate fine scales, mostly yellowish-brown, there are some greyish ones on the middle of the thorax and elytral suture, and some black ones form an intra-humeral spot, and an oblique interrupted patch extending from the side to near the suture of each wing-case; legs variegate, the predominating colours reddish-brown and grey; antennæ and tarsi infusate, the club and basal joint of the funiculus darkest.

*Rostrum* about as long as head, not gibbous, closely sculptured; eyes prominent, the intervening space not concave, vertex without prominences, coarsely and closely punctate. *Prothorax* conical, elongate, greatly narrowed and constricted in front, and with a slighter constriction behind the middle; not tuberculate, but sculptured like the head. *Elytra* suboblong, apices not prolonged; apparently punctate-striate; on the middle, near the suture, each has a long elevation, and there is another but much smaller one

near the apex. *Legs* slender, the posterior femora strongly angulated and produced below, the others simple; the two hind pairs of tibiae strongly curved.

Most nearly resembles *S. griseipictus* but much smaller, without small tubercles on the elytra before the large sutural ones. It has a shorter hind-body than *S. lawsoni*, and is otherwise different.

Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{7}{8}$  line.

I am indebted to Messrs. T. F. Cheeseman and J. Adams for two examples which they found on the Mount Arthur plateau, about 4,000ft. high.

2169. ***S. insolitus***, *n.s.* *Elongate*, variegate; body fuscous, covered with minute, depressed, greyish scales, and a few coarse, curved, white setae; legs pale-brown but with the middle of the femora sometimes as dark as the tarsi; antennae fusco-rufous.

*Rostrum* longer than thorax, gradually raised and compressed towards the eyes; between these latter the head is flat, but it is considerably elevated behind them, the back part is constricted and depressed, and with a well-marked longitudinal channel. *Eyes* very convex and prominent. *Antennae* moderately slender, the two basal joints of the funiculus of nearly equal length; third shorter than second, yet twice as long as broad; seventh transverse; club elongate, second joint but little larger than the first. *Thorax* rather short, abruptly and deeply constricted in front; plain, its sculpture consisting of small punctures and transverse wrinkles. *Elytra* broader than thorax at the base, gradually narrowed posteriorly, without tubercles or distinct elevations, the suture convex apically, indistinctly striate-punctate, transversely impressed behind the base, the third interstices slightly elevated near the middle. *Legs* normal, femora dentate, tibiae curved.

A very peculiar species, owing to the absence of the usual pair of elytral elevations and other asperities. When viewed sideways it will be noticed that an evident gap or depression exists on the head, somewhat similar to that of *S. tuberosus* (No. 1268), but even more abruptly defined; in both species the second joint of the club is much shorter than it is in *S. curvipes*.

Length (rost. incl.),  $3\frac{3}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Taken off *Aciphyllae* by Mr. G. V. Hudson.

Obs.—Since describing *S. tuberosus* I found some varietal forms on Mount Egmont, one on the Waitakerei Range, and I have another which was brought from Te Aroha by Mr. A. T. Urquhart. Dr. Sharp's *S. aper* is another variety of this species.

2170. ***S. costifer***, *n.s.* *Fuscous*, densely covered with slender, depressed scales, and a few erect setae, yellowish or infusate-grey in colour; antennae obscure-ferruginous, club infusate; the legs covered with pallid and infusate squamæ, tarsi reddish, tipped with fuscous.

*S. insolitus* most nearly resembles this species. The head is nearly flat behind the eyes, the back part is broadly contracted.



*Rostrum* cylindric, arcuate, without crests, feebly tricarinate in front. *Eyes* oviform, large, but not so prominent as *S. insolitus*. *Thorax* hardly at all narrowed until very near the front, where it is abruptly and very much constricted; there is a broad fuscous channel along the middle from base to apex, the front margin is raised, but there are no distinct inequalities on the surface, which is densely and minutely sculptured, the larger punctures are, however, hidden by the squamosity. *Scutellum* small. *Elytra* oblong, generally narrowed posteriorly, nearly twice the breadth and thrice the length of the thorax, destitute of tubercular elevations; regularly striate-punctate, the third, fifth, and seventh interstices more or less uniformly costiform and broader than the others, the suture rather broad, slightly raised behind; the shoulders are oblique and the apices are simple. *Femora* angulated underneath, tibiae curvate. *Antennae* slender, scape somewhat flexuous, the two basal joints of the funiculus nearly equal, club elongate, quadriarticulate, second joint subquadrate. *Underside* rufo-fuscous, densely clothed with depressed yellowish hairs.

Length (rost. excl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Found amongst the inflorescence of spear-grass, between Gordon's Pyramid and Mount Arthur, elevation 4,400ft., by Mr. Hudson.

### **Etheophanus.**

*Nov. gen.*

*Body* compact, convex, broadly oval; clothed with hair-like scales and erect setae. *Rostrum* moderately stout, subparallel, arched above, rather longer than the thorax. *Scrobes* deep, commencing near the apex and extending obliquely backwards to the inner margin of the eyes, where they are separated by a narrow space only, but, owing to the slight dilatation of the apical portion of the rostrum, quite visible from above at the point where the antennae are inserted. *Scape* thickened towards the extremity, barely reaching the eye. *Funiculus* 7-articulate, first and second joints nearly equal. *Club* ovate, three-jointed. *Head* globose underneath, immersed up to the eyes. *Eyes* situated close to the sides of the rostrum, extending forwards and downwards, but not to the sides of the head; they are oviform, rather flat, and distinctly faceted. *Thorax* without evident ocular lobes, about as long as it is broad, narrowed towards the front, its base subtruncate and closely applied to the hind-body. *Scutellum* absent. *Elytra* rather short, subcordate, much broader than the thorax near the middle, but hardly at all wider at the base than it is. *Legs* stout; femora grooved below near the extremity; tibiae flexuous, with terminal hooks. *Tarsi* rather short, finely (third joint thickly) setose underneath; their third joint lobate, and quite twice the width of the second, fourth about as long as the preceding three; claws simple.

*Underside* nearly plane. *Prosternum* deeply emarginate, and a little depressed, in front. Anterior *coxae* globose, rather widely separated, but not so as to accommodate the rostrum between them;

the middle and posterior coxæ very widely separated. *Metasternum* hardly longer than the space between the front coxæ and the hind margin of the prosternum, with a median triangular excision behind. *Abdomen* large, truncate between the hind coxæ, its basal segment but little longer than the second is in the middle, the suture between them flexuous; third and fourth moderately short, with straight sutures; fifth broader than it is long. *Epipleuræ* extremely narrow; the sides of the elytra much inflected.

When first found I imagined the insect to be a pale form of *Geochus*; the structure, however, is essentially different. The absence of the pectoral canal shows that it cannot be placed in the *Cryptorhynchidæ*, but I think it may be located in the *Erirhinidæ*.

2171. **E. pinguis**, *n.s.* *Shining*, testaceous, the apical portion of elytra fuscous or piceous, legs, rostrum, and antennæ more or less rufescent; clothed with pale hair-like scales and erect fuscous setæ; sometimes a grey spot appears on the middle of each elytron, and the dark apical space, on each, usually encloses a pallid spot.

*Rostrum* indistinctly grooved longitudinally. *Antennæ* with some slender setæ; third joint of funiculus quite as long as broad, 5-7 transverse. *Thorax* slightly broader than it is long, not wider near the middle than it is at the base; its rather fine distant punctures much hidden by the transversely-disposed clothing. *Elytra* more elevated than the thorax, much narrowed and deflexed posteriorly; with series of small punctures, which, on the declivity, almost form striæ.

*Underside* somewhat rufescent, with very few fine punctures and pallid scale-like hairs, but densely and minutely sculptured. The metasternum on a higher plane than the abdomen.

Var. Darker than the type, almost fuso-rufous, clothing greyish.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth, quite  $\frac{5}{8}$  line.

Mount Pirongia, Waikato. Four, found by myself on the ground amongst leaves.

## Group—BELIDÆ.

### Pachyura.

2172. **P. albocoma**, *n.s.* *Elongate*, glossy; elytra fusco-cupreous; head and thorax cupreo-rufous; rostrum metallic-red, tinged with violaceous; antennæ and tibiæ red, tarsi and femora infusate.

*Rostrum* finely and remotely punctured, the base closely, with a fine carina between the eyes and antennal insertion, which is near the base. *Antenna* elongate, second joint similar in shape to but shorter than first, joints 3-7 filiform, third and fourth equal, 8-10 slender at base. *Head* with coarse punctiform impressions and rugose granulate intervals. *Thorax* rather longer than broad, narrowed anteriorly, closely transversely rugosely granulate, the sides and a linear space along the middle clothed with elongate yellowish

hairs. *Scutellum* rotundate, punctate. *Elytra* wider behind than at the base, shoulders oblique, base of each elytron near the middle angulated and prominent; transversely wrinkled and punctate; each with a shallow broad impression near the shoulder, one on the suture behind the scutellum, two before the hind thighs, all more or less densely clothed with white hair-like scales, behind the posterior femora similar scales form a sort of broad, much-interrupted fascia, there are others near the extremity, and a spot on each side in line with the two near the middle. *Sternum* similarly clothed.

This species most nearly resembles *P. sumptuosa*, but has the rostrum one-third shorter, and the two apical protuberances more developed; the space between the eyes narrower; the thorax not distinctly depressed at the base as in that species; elytra broader, their white spots quite different; eyes more distinctly granulated.

Length (rost. incl.),  $3\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Mount Cook Hermitage, elevation about 2,600ft. My specimen was captured by Mr. H. Suter.

## Group—SCOLOPTERIDÆ.

### *Icmalius*.

#### *Nov. gen.*

This genus is proposed for the reception of a species which cannot be satisfactorily located either in *Scolopterus* or *Ancistropterus*.

In *Scolopterus* the eyes are placed on the upper surface as much as on the sides of the narrow head, which is hardly any broader than the rostrum, they are large, longitudinally oval, and not at all convex, certainly not conspicuous. In *Icmalius* the head is at least twice the breadth of the rostrum, the eyes are situated in front, they are widely separated above, quite perceptibly convex, somewhat prominent, and so broadly oval as to be nearly rotundate.

In *Ancistropterus* the eyes are small, much smaller than in this genus, very convex and prominent, obliquely oval, almost round indeed, and hardly half as far apart as they are in *Icmalius*. The scrobes in *Ancistropterus* are deep in front, but pass almost at once to the undersurface, whereas in *Icmalius* they are more open above, and do not descend below the sides until they approach the eyes. The funicle is rather short, the second joint is shorter than the first; the club is elongate, the terminal articulation being nearly as long as the basal two conjointly. The anterior tibiæ are more open at the extremity than they are in *Ancistropterus quadrispinosus*, and the tarsi are much shorter and broader, the basal joint is but little longer than the second and nearly as wide as it is, instead of being very narrow, and the lobes of the third are broad. The pygidium is uncovered.

The type is No. 1623, now *Icmalius abnormis*. Dr. Sharp's *Ancistropterus helmsi* is probably congeneric.



## Group—CRYPTORHYNCHIDÆ.

**Nothaldonus.***Nov. gen.*

*Body* *Aldonus*-like, structurally nearly similar to *Aldonus*, but differing therefrom as follows:—

*Pectoral canal* profound, extending beyond the anterior coxæ, and limited behind by the broad elevated border of the mesosternum. *Ocular lobes* represented by obtuse angulations, just where the side of the thorax and front margin of the sternal canal unite. *Eyes* more finely faceted. The *scrobes* commence before the middle, becoming broader, though still as deep, close to the front of the eyes; there is also a groove extending from the point of antennal insertion to the apex; the scrobes are alike in both genera.

This genus is instituted for the reception of No. 859, which becomes *Nothaldonus peacei*.

**Mesoreda.***Nov. gen.*

*Rostrum* longer than thorax, almost parallel-sided, very slightly narrowed towards the base, scarcely at all arched. In *Oreda* it is much shorter, twice as thick, and somewhat expanded near the base. *Scrobes* deep, of uniform depth and breadth, or nearly so, from their commencement (one-third of entire length from apex) to the eyes. *Antennæ* longer than in *Oreda*, more slender; joints 3–7 very short and transverse; club more elongate, basal two joints large and quadrate. *Pectoral canal* narrow, its front angles widely rounded, without the conspicuous spiniform process seen in *Oreda*, and limited by the raised front edge of the mesosternum; the middle piece of the mesosternum is not elevated as in *Oreda*. *Tibiæ* less curvedly produced at extremity, with much smaller spurs.

This genus is instituted for the more systematic location of two species (Nos. 865 and 1625) formerly referred to *Oreda*. These become *Mesoreda setigera* and *M. orthorhina* respectively.

**Acalles.**

2173. **A. veratrus**, *n.s.* *Convex*, compact, broadly oval; densely covered with small, roundish, depressed, greyish-yellow scales and upstanding squamiform setæ; black, tarsi and antennæ reddish-black.

*Rostrum* a little dilated towards the apex, which is smooth and on a lower level than behind, it is limited by a strongly-curved suture, the space behind squamose. *Scape* short, setose; first two joints of funiculus elongate, about equal; club finely pubescent, ovate. *Thorax* considerably narrowed towards the front, which is contracted to width of head, base nearly truncate; its sculpture concealed by the squamosity. *Scutellum* invisible. *Elytra* appearing slightly broader than thorax at base, owing to the numerous setæ on the

humeral angles; dorsum somewhat flattened, bordered near each side by a line of setæ extending from near the base to beyond the top of the hind slope, the sides outside these setæ punctate; the disc itself, and the apex, apparently without punctures, but having, near the base, about ten tubercles disposed in two rows along the suture. *Tarsi* short, third joint widely expanded and lobate.

*Metasternum* short; basal ventral segment depressed, squamose.

Length (rost. excl.), 3; breadth,  $1\frac{1}{2}$  lines.

Mokohinou Island. One individual, from Mr. P. Sandager.

2174. **A. maritimus**, *n.s.* *Convex*, quite oval; covered with small yellowish-grey scales and setæ, some longish ones form four indistinct crests nearly in line with the hind thighs; body obscure-black, tarsi and antennæ pitchy-red.

Distinguishable from *A. veratrus* by its narrower form, unflattened elytral disc, paler clothing, less rough-looking aspect, owing to the finer and shorter setæ, and by the elytra being regularly striate-punctate (the eight or ten minute tubercles are clustered near the scutellar region).

*Metasternum* short; first abdominal segment very large, plane in front, the second convex, indistinctly bicristate, third and fourth very short. The frontal portion of the *rostrum* obsoletely marked off. *Pectoral canal* extending to the raised border of the mesosternum. The anterior narrowed portion of the *thorax* more than half the whole length, much longer than in *A. veratrus*.

Length (rost. excl.),  $2\frac{1}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

I have two specimens, both sent by Mr. Sandager from Mokohinou.

2175. **A. cryptobius**, *n.s.* *Oval*, convex; pitchy-red, covered with small, depressed, yellowish-grey squamæ.

This species may be mistaken for *A. maritimus*; it differs, however, by being rather broader; by the absence of setæ on the body, though present on the legs; the *tarsi* are more hispid above; the *rostrum* is more finely and quite distantly punctured; the small tubercles extend along the suture of the elytra, which, moreover, are more obviously striate-punctate.

The basal two segments of the *abdomen* are almost quite flat, the second being much larger than in *A. maritimus*, being in fact nearly as large as the first instead of about half that length, and in place of the straight suture between the two it is here quite oblique towards each side. The contracted apical portion of the *thorax* is half the entire length.

Length (rost. excl.),  $2\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Two examples were found amongst the roots of a *Mesembryanthemum* by Mr. Sandager, at Mokohinou Island.

2176. **A. ingens**, *n.s.* *Oviform*, broad; squamosity variegate, pale-brown, blackish, and pale-testaceous; that of the last-mentioned colour covers the basal half of the beak, the head, a line near

each side of thorax, the humeral angles, and forms four setigerous crests on the top of the hind slope, the sutural pair placed further forward and smaller than the outer; the dark-coloured scales form irregular or ill-defined spots; the setæ are erect, and most numerous on the thorax and sides of the hind-body; derm reddish-black, antennæ and tarsi dark-red.

*Rostrum* slightly expanded in front, densely squamositate almost to the extremity, punctate. *Thorax* much narrowed anteriorly, punctate. *Scutellum* invisible. *Elytra* very little broader than thorax at base, narrowed posteriorly, a little uneven, their serial punctures nowhere conspicuous, apex substriate, with about ten small tubercles on the basal half along the suture, and a few on other parts.

*Underside* squamose, abdominal segments plane.

In form and structure this species comes near *A. pascoei*.

Length (rost. excl.),  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Tiritiri Island. Mr. Sandager. Described from a specimen formerly set aside as a variety of No. 872.

2177. **A. xanthostictus**, *n.s.* *Oval*, convex, black, antennæ and tarsi reddish; clothing variegate, consisting of small depressed scales and erect setæ, black, fuscous, and obscure-yellowish; the brown scales cover most of the surface; the black form a large basal spot near each side of thorax, an oblique interrupted fascia from near each hind thigh towards the suture, always however less distinct than the thoracic spots, generally only dark-brown, and in one specimen altogether absent; the yellowish scales are scattered on the rostrum, cover the sides of the thorax, and, on the elytra, form a great many small spots; there is always a whitish spot near each side of the apex, with some dark scales adjacent thereto.

*Body* quite oval, free from conspicuous elevations or depressions. *Rostrum* a little widened near apex, rough-looking, coarsely and rugosely punctate. *Antennæ* implanted just behind the middle; second joint of funiculus more slender than first, but quite as long as it. *Thorax* narrowed anteriorly, punctate. *Scutellum* invisible. *Elytra* with striæ, distinctly visible, however, only when looked at sideways, the punctures regular but rather distant, a few minute tubercles may also be noticed. The setæ never form spots or crests, being pretty evenly distributed over the surface.

Length (rost. excl.),  $2\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Of this extremely variable species I possess four individuals, all sent by Mr. Sandager from Mokohinou Island, one of which, owing to the much finer rostral sculpture, I consider to be the female.

2178. **A. adamsi**, *n.s.* *Variegate*, piceous, rostrum and tarsi pitchy-red, antennæ pale-red; wholly covered with flat, blackish and greyish-testaceous scales, and elongate erect ones similarly coloured.

*Rostrum* moderate, shining, with a nearly plane surface, almost smooth along the middle, the punctures sometimes forming the



rudiments of striæ; its base squamose. *Thorax* punctate, constricted in front, with two fuscous median crests, and an irregularly-formed blackish space at the base. *Elytra* cordiform, convex, striate-punctate; a narrow, transverse basal space dull-black, as are also two small crests on the posterior declivity and two on each side; there are two conspicuous yellowish crests on the top of the apical portion, and a smaller one between each of these and the base but near the side, and there are two elongate dark ones near the suture not far from the base. *Legs* stout, obscure-red, densely squamose. *Antennæ* sparsely pilose, second joint rather shorter and more slender than the first.

This species bears a close resemblance to the common *Acalles erroneus*; it is, however, radically different. It has no visible scutellum, the insect is narrower, the hind-body is more convex, and, consequently, the apical portion seems more vertical and narrower; the posterior crests are situated further back and are more horizontal; the elytra are more abruptly raised from the base, and their suture is elevated instead of being plane; the sides are narrowed from the middle forwards in place of being subparallel.

Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$  line.

This species is dedicated to J. Adams, Esq., who found it on the Mount Arthur plateau, elevation about 4,000ft.

2179. **A. concinnus**, *n. s.* *Subovate*, convex, piceous; densely covered with depressed, rather round scales, and coarse, erect, fuscous and greyish setæ; the scales are variegate, mostly reddish-brown, but paler, almost testaceous ones form a broad vitta near each side of the thorax, prolonged backwards along the elytra, each side of which bears other pale scales; rostrum pitchy-red, tarsi and antennæ paler.

*Rostrum* gradually dilated apically, rather plane above, its frontal portion nude and shining and not closely punctured, the basal half squamose. *Thorax* subovate, rather longer than broad, narrower in front than behind, widest near the middle, coarsely and closely punctated, indistinctly channelled along the middle, and bearing two small median crests. *Scutellum* invisible. *Elytra* of about the same width as thorax at base, shoulders much narrowed, from thence backwards considerably widened, the broadest part in line with the top of the abruptly-deflexed posterior portion; coarsely striate-punctate, there is a curved mark (it can hardly be called a prominence) on the summit of the hind slope terminating between the suture and each side in a small crest, and a more or less obvious longitudinal elevation in front of each of these crests. *Legs* robust, bearing coarse erect setæ.

A well-marked species, having somewhat the appearance of *A. erroneus*, but with a longer thorax not suddenly contracted in front; the hind-body is not unlike that of *A. erroneus*, but is rather longer, with more rounded sides.

Length (rost. excl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Waitakerei Range.

2180. **A. australis**, *n.s.* *Opaque*, nigro-fuscous, closely covered with greyish-testaceous, depressed and semi-erect scales; tarsi reddish, rostrum rufo-piceous, antennæ fulvescent.

An ally of *A. intutus*. *Rostrum* rather longer, squamose behind, nearly nude in front, slightly raised and smooth along the middle but not distinctly carinate, punctate at the sides. *Antennæ* inserted behind the middle; *scape* remarkably short, flexuous, incrassate apically; *funiculus* elongate, the two basal joints about equally elongate; *club* ovate, rather short, with pallid pubescence. *Thorax* with its frontal half abruptly contracted, fringed along the apex with coarse erect setæ or scales; there are two small, widely-separated tufts on the front of the broad basal portion; the surface closely and coarsely punctured. *Scutellum* raised, squamose. *Elytra* feebly bisinuate at the base, where the width equals the thorax, shoulders oblique, from thence to the hind thighs nearly straight, much narrowed and vertical behind; series of large punctures appear to form four basal striæ, the punctures, however, are quite small behind; the second interstices are unevenly raised and bear two elongate crests, the hinder one on top of the declivity, the third has one large crest some little distance from the base, the fourth with two, one at the middle and one behind; there are other inequalities at the sides. *Legs* densely clothed; third tarsal joint with broad lobes.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Moeraki. Described from a specimen sent by Mr. Sandager.

### Scelodolichus.

2181. **S. juncobius**, *n.s.* *Narrow*, convex, medially contracted; sparsely clothed with fine depressed brassy scales, and erect fuscous setæ; subopaque, black, beak nigro-rufous, tarsi and antennæ ferruginous.

*Rostrum* widest near apex, finely and distantly punctured. *Thorax* rather longer than broad, widest just before the middle; rather closely and coarsely punctured, with a feebly-developed dorsal line. *Elytra* elongate, their greatest width just behind the shoulders; evidently punctate-striate.

The height exceeds the breadth of the hind-body. The epipleuræ are so narrow and closely adapted to the body as to be almost invisible; there is no excision near the posterior coxæ. The second ventral segment is as long as the third and fourth conjointly. The striate wing-cases are characteristic.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Mokohinou Island. Three individuals, found amongst roots of rushes by Mr. Sandager.

### Tychanus.

2182. **T. bufo**, *n.s.* (*Sharp*; *Ent. Mon. Mag.*, vol. xx., p. 68.) *Latus et brevis*, squamulis depressis densissime vestitus, *rostro* fere

nudo, lato, opaco, nigro, *antennis* ferrugineis; *prothorace* antice valde angustato, margine anteriore in medio bi-angulariter prominulo; *elytris* utrinque prope scutellum subnodosis, posterius declivis utrinque ante medium fascia albida, cuneiformi.

Long., rostr. excl.,  $5\frac{1}{2}$ mm.; lat., 3mm.

The *rostrum* is scarcely so long as the thorax, is not curved, but is broad, dull above, punctate, but not densely, some of the punctures bearing a depressed seta. The *antennæ* are entirely ferruginous. The *thorax* is as broad behind as the elytra; from the base to the middle it becomes slightly broader, and has sharply-defined sides, in front of this it is excessively narrowed, the elevations over the head are very distinct, and there are on the middle two transverse, rather ill-defined, subangular elevations, the whole surface evenly clothed with rather coarse griseous-brown scales, probably variable in colour. *Elytra* clothed with scales, finer than those on the thorax, but rather similar in colour, and not variegate, except by a large, pale, very conspicuous, wedge-shaped mark on each, extending from each side towards the suture, which, however, it does not reach; on the basal portion there are some coarse pits. The *legs* are densely squamose, and the femora have a large angular prominence.

This insect has more the facies of a *Sympedius* than a *Tychanus*; indeed, the limits of these *Acalles* genera are not at present very definite.

Mr. Helms has sent *T. bufo*, and informs me it is rare at Grey-mouth.

2183. **T. dux**, *n.s.* *Opaque*, black, antennæ and tarsi piceous; dorsum nearly nude; a large irregular spot near each hind thigh formed by pallid scales; yellowish ones form a line marking the sides of the thoracic outline, similar ones appear, but sparingly and irregularly, on other parts; the rest of the squamosity black.

*Rostrum* rather longer than thorax, a little arched, almost parallel, not distinctly carinate, more distantly punctured in front than elsewhere. *Antennæ* elongate, slender, inserted just behind the middle; scape flexuous; basal two joints of funiculus very elongate, second exceeding the first, joints 3 to 7 decrease in length; club ovate. *Thorax* narrower than elytra, its anterior half much contracted (like that of *T. ferrugatus*); a linear median space smooth, the rest of the surface punctate and squamose. *Scutellum* absent. *Elytra* bisinuate at base, as far as hind thighs nearly quadrate, behind much narrowed and callose; the middle basal portion exhibits hardly any sculpture except a few minute tubercles and obsolete punctures; the humeral region is explanate, and thus exceeds the base of thorax in width; on each elytron there are three squamose elevations in an obliquely transverse row near the base, one behind these; the pallid spots are uneven, with an elongate elevation inside and behind; there is also a pair near the suture, situated a little further forward than the last-mentioned. *Legs* with erect, coarse, variegate setæ; tarsi stout, third joint broadly lobate; tooth of the femora only moderately developed.



*Underside* black, with greyish scales; last ventral segment depressed near each side, transversely near apex.

Length (rost. excl.),  $3\frac{3}{4}$ ; breadth, 2 lines.

Clevedon. Mr. G. Munro; one example.

### Crisius.

2184. **C. obesulus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 430.) *Brevior*, dense squamosus, rufo-tinctus, elytris in partem anteriorem minute fasciculatis.

Long., 5mm.; lat.,  $3\frac{1}{4}$ mm.

Of very short form, densely covered with scales, which are in large part of a reddish colour, with here and there ochraceous patches. *Rostrum* scarcely so long as the head and thorax, its upper part squamose, the lower two-thirds bare, punctate. *Antennæ* red, rather short. *Thorax* irregular, the anterior two-fifths constricted, the middle with two conical tufts; two smaller tufts on the front margin. *Scutellum* very short, transverse. *Elytra* very short, broad at the base, shoulders prominent, the basal regions with small elevations, some of which bear a few scales, and on the basal and external portion rows of punctures may be seen, much interrupted by the inequalities of the surface. *Legs* squamose.

This is of much shorter form than *C. binotatus*, the typical species of the genus, and is very distinct by the small scutellum, shorter rostrum, &c.

Greymouth. Helms.

2185. **C. picicollis**, *n.s.* *Opaque*, rostrum and thorax piceous but the apex of the latter reddish, all but the dark basal portion of the elytra covered with small, depressed, greyish-yellow scales and setæ, tibiæ infuscate-red, antennæ clear-red.

*Rostrum* longer than thorax, broad, indistinctly punctate, but with a furrow at each side from the antennal insertion to the eye, its basal portion squamose. *Antennæ* shining, second joint of funiculus as long as first; club ovate. *Thorax* much contracted in front, not coarsely nor closely punctured, its sides uneven with patches of outstanding scales, the dorsum with two medial and two smaller basal elevations and a more or less obvious longitudinal carina. *Scutellum* small. *Elytra* bisinuate at base, narrowed posteriorly, the sides with squamose and setose prominences; apparently striate-punctate, with a distinct shining black tubercle on either side of the scutellum and four or five smaller ones in a row behind each of the larger ones, there are also two or three small crests on the third and fifth interstices. *Femora* angulated and dentate below.

*Underside* densely squamose, abdomen with three blackish streaks; metasternum and basal ventral segment concave.

The scutellar tubercles and coloration render its identification a comparatively easy matter.

Length (rost. excl.), 2 lines; breadth, 1 line.

Two examples were found on Mokohinou Island by Mr. P. Sandager.

2186. **C. signatus**, *n.s.* *Body* obscure fusco-rufous, densely covered with greyish-yellow and dark-brown scales, these latter forming two broad longitudinal marks on the base of the thorax and extending backwards as far as the highest portion of the elytra.

*Rostrum* rather longer than thorax, not narrow, longitudinally punctate-rugose, pitchy-red. *Antennæ* shining, reddish, second joint of funiculus very perceptibly longer but much more slender than the rather short, thick, basal joint; club ovate. *Prothorax* much contracted anteriorly, coarsely punctate, the apex with two, the widest part with four, small squamose elevations. *Scutellum* minute. *Elytra* widest near the middle, sloping upwards rather suddenly from the base, so that the disc is much more elevated than the thorax, the downward apical slope much more gradual; striate-punctate, each with about nine small elevations. *Legs* obscured-red, coarsely setose, femora angulated and dentate underneath.

Somewhat similar to the preceding species (*C. picicollis*), distinguished from it by differences of colour, shorter and more convex hind-body, &c.

Length (rost. excl.),  $1\frac{7}{8}$ ; breadth,  $1\frac{1}{8}$  lines.

Messrs. Cheeseman and Adams brought me two examples from Mount Arthur.

2187. **C. ornatus**, *n.s.* *Opaque*, variegate, densely covered with depressed and erect scales.

*Rostrum* as long as thorax, a little narrowed near the middle, its basal portion covered with ferruginous scales, the front part shining, red, finely punctured. *Antennæ* inserted before the middle; scape rather slender, flexuous; funiculus pubescent, the second joint nearly as long as the following five taken together; club long, oval, triarticulate. *Thorax* with its anterior half abruptly and considerably narrowed, in the middle prolonged as far as the front of the eyes; basal half broad, yet narrower than the elytra, with large punctures; most part of the sides with pallid scales, the dorsum and base mostly black; there are two small crests in front, and six or eight elevations behind. *Scutellum* with greyish-yellow squamæ. *Elytra* with oblique shoulders, subquadrate as far as the hind thighs, apical portion much contracted and declivous, they are without distinct discoidal elevations, and are striate-punctate; the basal portion, as far as the middle thighs, is pale reddish-brown, but with the shoulders, two slightly-raised basal spots, and an irregular, transverse, posterior line, black; behind this part the colour is ferruginous, but is limited in front with pallid scales; in line with the hind thighs there are eight irregular, black, small elevations bordered anteriorly with pallid squamosity; near the summit of the declivity each side is somewhat raised, with greyish or infusate scales, there are, besides, two small white specks, two black ones, and two crests near the extremity; interstices broad, the fifth more or less raised; the sides with irregular elevations. *Legs* variegated with fuscous and pallid scales and setæ; femora with conspicuous dentiform angulations underneath; tarsi red, rather narrow, third

joint bilobed. There is a small, black, polished tubercle on either side of the scutellum.

Length (rost. excl.),  $2\frac{1}{2}$ ; breadth,  $1\frac{3}{8}$  lines.

Mr. G. V. Hudson was kind enough to give me the specimen that he found under pukatea bark at Karori, Wellington.

## Group—COSSONIDÆ.

### Pentarthrum.

2188. **P. fulvum**, *n.s.* *Fusiform*, without distinct pubescence, shining, pale-red, legs and elytra of a yellowish hue (fulvescent), tarsi yellow.

*Pentarthrum longirostre* is the nearest ally. This differs in being smaller; the *rostrum* is a little shorter and thicker, and is quite parallel-sided, shining, finely but not closely punctured, and with some fulvous setæ at the tip; the *antennæ* are inserted just before the middle, they are fulvous, with the club ovate, opaque, fuscous, and densely pubescent; the *thorax* is rather flat above, is less rounded laterally, and its punctuation is rather fine; the *elytra* are less fusiform, with less evident striæ, the punctures are somewhat finer and not so close to one another.

♀. Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Paparoa, near Howick. One example.

OBS.—All my measurements of Cossonidæ include the rostrum.

2189. **P. fultoni**, *n.s.* *Variegate*, rostrum dark-red, head rufopiceous, thorax and legs chestnut-red, elytra rather paler but suffused with a darker colour, antennæ red; body shining.

There is no species like this except *P. melanosternum*, which, however, is only slightly shining, being, in fact, subopaque. The *rostrum* has a broad longitudinal channel, and is distinctly punctate; the *head* is broader, densely and minutely sculptured, and has some distant, moderately fine punctures, it is constricted behind the eyes. *Antennæ* inserted almost before the middle; scape short, thickened apically; second joint of funiculus distinctly longer than third; club ovate, pubescent. *Thorax* rather more narrowed but less constricted in front, so that the apical margin is not so thick, the punctures are a little finer and more distant. *Scutellum* polished. *Elytra* cylindrical, their apices not explanate, striate-punctate, second and third striæ well marked behind, their punctures not so coarse as in No. 1548, interstices rugulose, with fine serial punctures. The *clothing* is less conspicuous, being short and slender and not so yellow.

Fem. *Rostrum* slightly longer and thinner than in the same sex of No. 1548, a little contracted behind the middle, cylindric, shining, and finely punctate; scape more slender.

Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Taieri. One pair, sent by Mr. S. W. Fulton, whose name has been applied to the species.



2190. **P. diversum**, *n.s.* *Subcylindrical*, bearing some minute greyish hairs, shining, red, the legs and antennal club paler.

*Rostrum* short, not longer than the head, parallel, moderately finely punctured. *Antennæ* inserted almost behind the middle, second joint of the funiculus longer than the third; club distinct, broadly oval. *Head* twice the breadth of the broad rostrum, large, subglobose, dilated behind the eyes, between these the sculpture is like that of the rostrum, behind them it is much finer and more distant. *Thorax* much narrowed and constricted in front, but, near the base, almost wider than the hind-body, its punctuation moderate, there is an indistinctly-raised, smooth dorsal line, and the apical portion is nearly smooth. *Scutellum* small, polished. *Elytra* cylindrical, apices slightly explanate, they are punctate-striate, the striae deeper behind, interstices with fine serial punctures. *Tarsi* narrow, third joint not bilobed.

There are two similar species, *P. macrocephalum* and *P. cephalotes*. From the latter this species differs in having distinct, though fine, punctures on the back part of the head; the elytral interstices are not very narrow, and the third, fifth, and seventh are more or less elevated behind; the striae are rather deep, their punctures are not dense, the intervals being nearly as large as the punctures themselves.

Since describing *P. macrocephalum* I have received from Mr. Cheeseman two or three varietal forms which he found on Mount Arthur. In these the elytral striae are deeper than in the typical specimen from Otago, and the punctures are closer. The underside is distinctly punctured, and bears rather elongate yellow hairs; the metasternum is canaliculate on the middle, and is also broadly impressed behind; the basal abdominal segment too is grooved.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Clevedon. One female, from Mr. G. Munro.

2191. **P. nubilum**, *n.s.* *Shining*, elongate, narrowed anteriorly, bearing slender minute hairs; rostrum, thorax, and antennae red; legs paler; elytra of a chestnut-red colour, but clouded or suffused with darker marks.

*Rostrum* shorter than the thorax, narrow, cylindric, slightly wider in front than behind, finely and distantly punctured. *Head* somewhat dilated and nearly smooth behind the eyes, not constricted; eyes slightly prominent behind, but somewhat flattened in front. *Antennæ* inserted behind the middle of the rostrum, the scape gradually thickened; second joint of the funiculus nearly as large as the first; club ovate, well limited. *Thorax* gradually but considerably narrowed anteriorly, a little constricted in front, not wider behind than the elytra, posterior angles obliquely rounded; its punctuation moderate, not close. *Elytra* cylindrical, very slightly explanate behind; moderately punctate-striate, the striae deeper behind, interstices with fine serial punctures and quite rugose. *Legs* pubescent; third joint of the tarsi not distinctly bilobed.

Like No. 1306; the rostrum, however, is not so much contracted

behind, there is no constriction behind the eyes, the thorax with two oblique frontal impressions instead of one transverse one, the scape is straight instead of being quite flexuous.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Paparoa, near Howick. One female.

2192. *P. aurantiacum*, *n.s.* *Elongate*, subdepressed, moderately shining, not distinctly pubescent; fulvescent, elytra not so red, tarsi yellowish.

*Rostrum* quite as long as thorax, elongate, slightly but widely narrowed between the antennal insertion and the eyes; finely punctate, some of the punctures longitudinally confluent; *head* densely and minutely sculptured, and with numerous punctures, somewhat swollen just behind the eyes, behind this part abruptly constricted, but not so as to cause a dorsal depression, its hind portion gradually dilated. *Eyes* rather small, not prominent, rather distant from the thorax. *Antennæ* implanted a little before the middle, stout; scape gradually thickened and distinctly curved towards the extremity; second joint of funiculus not as large as the first; club rather large, oval. *Thorax* somewhat suddenly narrowed and constricted anteriorly, moderately rounded laterally; its sculpture similar to that of the head, the punctures being moderately fine and not very close. *Scutellum* smooth. *Elytra* elongate, very gradually narrowed towards the apex; punctate-striate, the striae deeper behind, the intervals between the punctures rather larger than the punctures themselves, interstices with fine, distant serial punctures. *Tarsi* rather short and thick, their third joint bilobed.

*P. sharpianum* is larger and darker, the rostrum is more expanded in front, the scape is nearly straight, and the club is narrower, &c. No. 924, described from a female, is a more slender, though closely-allied, species. These are the nearest allies.

Length,  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Tairua. One male.

2193. *P. exilis*, *n.s.* *Slender*, elongate, subdepressed, sparsely clothed with very minute, slender, greyish hairs; ferruginous, tarsi fulvous.

*Head* gradually dilated behind, slightly constricted near the eyes; these latter small, not prominent, distinctly faceted; occiput nearly smooth. *Thorax* a good deal narrowed and constricted anteriorly, causing a well-marked transverse impression near the apex, the sides moderately rounded, contracted at the base, distinctly but not closely punctured. *Scutellum* distinct. *Elytra* nearly quite parallel-sided, narrowed behind, apical margins not explanate; they are punctate-striate, the striae, however, are shallow, and the punctures, though moderately large, are not close, interstices with very minute, distant, serial punctures. *Tarsi* short, third joint feebly lobate.

Male. *Rostrum* quite as long as thorax, slender, arched, very slightly narrowed behind, finely punctured, the punctures becoming

a little coarser near the eyes; antennæ inserted before the middle, red or fulvous, scape rather slender, gradually thickened and curved, second joint of the funiculus nearly as long as, but much narrower than, the first, club rather large, quite oval.

Fem. *Rostrum* slender, parallel-sided, finely punctate; apical margins of elytra very slightly thickened.

Another of the *P. sharpianum* group, but liable to be mistaken for *Dicœdimorpha debile*.

Length,  $1\frac{3}{8}$  lines; breadth, quite  $\frac{1}{4}$  line.

Howick. One pair.

2194. **P. punctatissimum**, *n.s.* Narrow, transversely convex, almost quite cylindrical, rough-looking, subopaque; dark-red, nearly piceous, elytra and legs paler, antennæ red; sparingly clothed with inconspicuous slender hairs.

*Rostrum* moderately stout, more than half the length of the thorax, much contracted between the antennæ and eyes; closely, almost rugosely, punctured, the punctures larger and more distant near the eyes; the head narrower immediately behind the eyes than it is near the thoracic margin, this portion shining and nearly smooth, it is subglobose underneath. *Eyes* more abruptly prominent behind than in front. *Antennæ* inserted behind the middle, short and rather thick, scape short; club ovate, distinct. *Thorax* much longer than broad, gradually but considerably narrowed towards the front, much constricted there, moderately rounded near the base; it is rather coarsely, closely, and almost rugosely (longitudinally) punctured, the punctures becoming finer in front of the constriction. *Elytra* cylindric, about as long as the rest of the body (rost. incl.), not broader than the widest part of the thorax, a little explanate near the apices, with a distinct sutural gap behind; they are punctate-striate, the groove rather deep, the punctures rather close and moderately coarse; interstices narrow, somewhat rugose, their serial punctures distant. *Underside* with fine but distinct yellow hairs; with coarse distant punctures, closer on the prosternum, and those on the sutures of the intermediate abdominal segments causing the front margins to appear crenulate.

Fem. *Rostrum* more slender, shining, and finely punctate.

This is one of a peculiar group of species; the others are Nos. 908, 1297, 1299, 1300, 1301, and Dr. Sharp's *P. porcatum*. They are narrow, subopaque, dark-red or piceous, coarsely sculptured, and with an obvious excision or gap at the extremity of the elytra, at the suture.

This is smaller than *P. porcatum*, and may be distinguished therefrom by the presence of fine hairs and interstitial punctures. I have some examples from Otago agreeing with Dr. Sharp's description of *P. porcatum*, but they are not hairless, and, besides, have fine interstitial punctures; I have, therefore, labelled them as varieties of No. 908.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Howick.



2195. **P. amicum**, *n.s.* *Shining*, sparsely clothed with minute greyish and yellow hairs; rostrum red, thorax chestnut-red, elytra pale or yellowish chestnut, their sides darker; legs fulvescent, antennæ and tarsi red, club paler.

*P. zealandicum* is the nearest ally. This differs in coloration and vestiture; it has a rather longer and narrower rostrum, which is feebly canaliculate; the thorax is shorter, less rounded behind the middle, the frontal constriction is continued from side to side, the punctation is finer, more distant on the dorsum than at the sides; elytra similar in form, the punctures in the striæ smaller and not so close to one another, the serial punctures on the interstices minute and remote; antennæ rather short, second joint of funiculus almost equal to the first, club ovate; third joint of tarsi not distinctly lobate.

*P. subsericatum* is subopaque, and the rostrum is moderately densely rugosely punctate.

♂. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Paparoa, near Howick. One male.

2196. **P. helmsianum**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 91.) ♂. *Robustum*, sat elongatum, nigrum sat nitidum, *prothorace* crebre fortiter punctato; *elytris* sat fortiter striato-punctatis; *rostro* lato, anterieus latissime angulariter dilatato, subrhomboidali.

Long., 6mm.

*Antennæ* black, with the intermediate joints piceous; the basal joint opaque and somewhat twisted, so as to appear emarginate in one aspect. *Rostrum* very broad, extremely dilated in front, so that the sides project as acute angles, and the front margin is curved; the upper part is rather closely, the anterior more sparingly, punctate; the neck is smooth, and the eyes are not very far from the front of the thorax. This latter part is rather broad, and a good deal rounded at the sides, the surface rather coarsely, moderately closely, evenly punctate and shining. *Elytra* with impressed striæ, which are distinctly punctate; the interstices scarcely punctate, but somewhat dull and obscurely rugulose. *Legs* black, robust, all the tibiæ armed at the apex internally with an angular process, which is on the hind legs large and remarkable. The female is unknown.

This peculiar insect will probably ultimately form the type of a genus distinct from *Pentarthrum*, but, as it goes very well into that genus, as at present defined, it is not necessary to make a new name for it. The great development of the rostrum reminds one rather of some of the *Brenthidæ* than of a *Cossonid*. The two individuals before me are quite similar, and I have no doubt I am correct in considering them to be of the male sex.

Greymouth. Helms.

2197. **P. cephalotes**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 430.) *Subcylindricum*, piceum, nitidum, *rostro* breve, vertice globoso-inflato, oculis a thorace remotis; *prothorace* crebre  
18—PR. V.

subtiliter punctato; *elytris* profunde striatis, apice declivo marginato.

Long., 3-3½mm.

This species is remarkable by its large globose *head*, so that the rostrum is only as long as it; the *rostrum* and the head behind the eyes are finely punctate, the inflated vertex impunctate. The *thorax* behind is almost broader than the *elytra*, greatly narrowed in front, there constricted, smooth in front of the constriction; elsewhere closely and finely punctate, with more or less abbreviate smooth line on the disc. *Elytra* very deeply striated, the striæ coarsely and densely punctured, so that the punctures are confluent, the interstices narrow, indistinctly seriately punctate; the apex rather abruptly declivous and distinctly marginate. *Legs* red.

Picton. Helms; three examples; all, I think, of the female sex.

Obs.—This is very nearly allied to No. 1549 (*P. macrocephalum*).—T. B.

2198. **P. porcatum**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 431.) *Subcylindricum*, piceum, nitidum; *capite* pone oculos strangulato, his prominulis; *prothorace* dense fortissime punctato; *elytris* profunde striatis, apice marginato.

Long., rostr. incl., 3½-4mm.

This is readily distinguished by the extremely coarse thoracic punctuation, which extends much in front of the anterior constriction. *Rostrum* moderately stout, cylindric, more than half as long as the *thorax*, punctate, rugose between the eyes, these abruptly prominent, vertex perfectly smooth, quite as long as the length of the eye; antennal insertion considerably behind the middle. *Thorax* very elongate, very much narrowed to the front, very coarsely and densely punctate, with a strong constriction a considerable distance behind the front margin. *Elytra* parallel-sided, at the apex distinctly but not broadly margined, deeply striate, the striæ bearing very coarse punctures, which are only imperfectly separated from one another; interstices narrow, not punctate; underside very coarsely punctate. The *male* has the rostrum in front of the antennæ rather shorter and broader, the base of the abdomen and apical portion of the sternum much depressed.

Dunedin, Hutton; Greymouth, Reitter; Picton, Helms.

This is no doubt allied to *P. sculpturatum*, Broun, but differs from the description by the differently-sculptured less-rugose rostrum, the absence of any hairs, and other particulars. I have seen only one male, the example from Dunedin, but I have no doubt it is the same species as the Greymouth female; the two examples from Picton are a smaller variety of the female, having shorter *elytra* and more densely placed smaller punctures in the striæ, but are, I think, really the same species.

2199. **P. confertum**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 431.) *Angustulum*, subdepressum, nigricans; *capite*, rostro, *antennis*, *pedibusque* rufis, *elytris* circa humeros fusco-rufis; *rostro*

elongato, cylindrico; *elytris* profunde striatis, striis densissime punctatis.

Long., rostr. incl.,  $2\frac{3}{4}$ mm.

*Rostrum* about as long as the thorax, cylindric, shining; impunctate. *Antennæ* slender, their insertion slightly behind the middle; eyes but little separated, vertex small, foveolate. *Thorax* rounded at the sides and much narrowed in front, where it is distinctly constricted, it is densely, moderately coarsely punctate, the disc flattened. *Elytra* but little shining, with striæ, in which are placed punctures so densely that the intervals have become much obliterated; the longitudinal interstices are finely rugulose.

This is a very distinct species, somewhat similar to *P. parvicorne*, but readily distinguished by the slender antennæ. The example described is no doubt a female.

Picton. Helms; one example.

2200. **P. constrictum**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 431.) *Angustum*, subdepressum, fulvo-rufum; *prothorace* *elytris* angustiore, antèrius fortiter constricto, disco subimpresso.

Long., rostr. incl.,  $2\frac{1}{4}$ –3mm.

*Rostrum* finely sculptured, dull, eyes moderately large. *Antennæ* small and stout, inserted at the middle of the rostrum. *Thorax* elongate and narrow, evidently narrower than the *elytra*; rounded at the sides, and with a strongly-constricted anterior part, flat, longitudinally depressed on the middle, rather closely but somewhat indefinitely punctured, a little rough, with an obscure smooth space in the middle of the depression. *Elytra* elongate, shining, flat, with regular series of coarse punctures, the interstices not raised, impunctate. The female has the rostrum more cylindric in front, and shining.

Greymouth. Helms. This distinct little species may be placed next *P. parvicorne*.

### **Rhisanisus** (Gen., p. 805).

2201. **R. cheesemani**, *n.s.* *Elongate*, narrowed anteriorly, depressed, shining; sparingly clothed with yellow and pallid hairs, those of the latter colour confined to the *elytra* and much more slender than those on the thorax; castaneo-rufous, antennæ and tarsi fulvescent, hind-body with a large dusky mark near the scutellum.

*Rostrum* rather shorter than thorax, rather finely punctated in front, the basal half and the head with coarser but not deep punctures, and densely but minutely sculptured intervals; eyes moderate, situated near the broad, smooth neck. *Antennæ* implanted just before the middle of the beak, pubescent, second joint a trifle longer than third; club ovate. *Prothorax* elongate, much narrowed towards, and constricted near, the front, moderately curved laterally, rather flat, and longitudinally impressed on the dorsum; neither closely nor coarsely punctured. *Scutellum* small, transverse. *Elytra* broader than thorax, with an evident gap between the base of the latter and the shoulders, subparallel, plane, impressed obliquely



behind the base; striate-punctate, interstices not distinctly sculptured, the third raised behind and curved towards the external ones. *Legs* moderately long and slender; third joint of the tarsi larger than second, and distinctly bilobed.

Fem. Rostrum narrower, longer, and more finely punctated.

*Underside* plane, bearing a few minute greyish hairs, evenly and rather distantly punctured, of a darker red than the upper surface, the abdomen being pitchy; metasternum finely grooved; basal ventral segment larger than second and broadly impressed, third and fourth equal, not much abbreviated yet obviously shorter than the second.

Longer and relatively narrower than *R. parvicornis* and its immediate allies, more depressed, of a paler red, with longer legs, the rostrum not opaque; its pubescence slender but not short.

Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{1}{2}$  line.

I am indebted to Mr. T. F. Cheeseman for a pair of this species, which I have much pleasure in dedicating to him. It was found on Mount Arthur at an elevation of about 5,000ft.

### Agastegnus.

2202. *A. nitidirostris*, *n.s.* *Subdepressed*, narrowed anteriorly, clothed with distinct, fine, elongate yellow hairs; shining, æneo-piceous, tarsi and antennæ fulvescent, club piceous.

This species is very much like *A. longipes* (No. 930), it is, however, a larger insect; the *rostrum* is more shining, clear-red, its sides and basal portion are finely but distinctly punctured, but the middle is almost smooth; the *head* is dark, with a few distant punctures and straw-coloured hairs. *Thorax* with rather strongly rounded sides, a good deal narrowed and constricted anteriorly, the front margin appearing much thickened; disc somewhat flattened, distinctly but not closely punctured, the intervals nearly smooth, without the minute dense sculpture observable in No. 930. *Elytra* elongate, slightly broader than thorax, narrowed behind; transversely depressed near and behind the middle, moderately punctate-striate, striæ not deep; the interstices obsoletely sculptured, the second and third, and the suture, somewhat raised behind, so that the first and second striæ and the oblique apical sulci seem rather deep and broad. *Legs* long, tibiæ a little bent. *Club* well defined, ovate, as long as joints 2-5 of the funiculus.

♂. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Taranaki, near Mount Egmont. One specimen.

### Microtribus.

2203. *M. pictonensis*, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 432.) *Parum* elongatus, fusco-piceus, subcylindricus, *rostrum* breve, crassiusculum, punctatum, *antennis* brevibus, crassiusculis; *prothorace* crebrius fortiter punctato; *elytris* parum profunde striatis, striis fortiter punctatis.

Long., rostr. incl., 3mm.

*Rostrum* closely punctulate, dull; antennæ inserted behind the middle, very short, with small slender club; *eyes* prominent; *thorax* rounded at the sides, and much narrowed in front, where it is only very obscurely constricted; coarsely punctate; *scutellum* minute; *elytra* with series of punctures becoming more obsolete towards the extremity, but quite coarse at the base; interstices sparingly seriatel punctate.

Picton. Helms; one example. This differs from its only congener, *M. huttoni*, by its thicker rostrum and differently-formed antennæ, which are more like those of *Pentarthrum*: the insect, indeed, has much more the appearance of an obscure *Pentarthrum* than of its congener, but it is abruptly differentiated from the genus named by its approximate front coxæ.

### Novitas.

2204. **N. dispar**, *n.s.* *Elongate*, subopaque, fusco-niger, rostrum shining-red, antennæ and tarsi fulvous, front of thorax and apex of hind-body rufo-castaneous.

*Rostrum* elongate, very slender, arched, parallel, minutely and remotely punctured. *Head* transversely, minutely, granulate-rugose. *Antennæ* inserted behind the middle of rostrum, scape very slender and flexuous, but clavate at the extremity; second joint of funiculus nearly as long as but much more slender than first, joints 3-5 each longer than broad, club elongate. *Thorax* convex, sub-cylindric, sides widely curvate, opaque, its sculpture dense and minute, consisting apparently of exceedingly minute granules, it bears a few slender yellowish hairs. *Elytra* but little broader than thorax, its greatest breadth behind posterior femora, striate-punctate as far as the middle, their whole surface finely rugosely sculptured; a few fine grey hairs are visible. *Legs* rather short and very thick; tarsi large, basal joint small, second and third exceedingly broad, fourth elongate.

*Underside* blackish, last three ventral segments rufescent; metasternum and basal segments with some coarse distant punctures. Front coxæ as distant as posterior.

In *N. nigrans* the elytral punctation ceases near the middle, but some of the striæ are continued to the apices, and the rest of the surface is very finely longitudinally rugose, the thorax bears distinct punctures, and the insect is rather larger and broader.

Length (rost. incl.),  $\frac{7}{8}$ ; breadth,  $\frac{1}{4}$  line.

Found on *Phormium tenax*, Tiritiri Island, by Mr. P. Sandager.

### Phlœophagosoma.

2205. **P. serenum**, *n.s.* *Fusiform*, not distinctly pubescent, shining; rostrum and thorax red, elytra chestnut-red.

*Rostrum* about two-thirds of the length of the thorax, gradually and slightly narrowed behind the antennal insertion, before rather than behind the middle, with very few punctures along the middle

and between the eyes, elsewhere rather finely sculptured. *Eyes* moderate; the *head* with a depression just behind the eyes, its back part gradually dilated or swollen, and nearly smooth. *Thorax* longer than broad, only moderately rounded behind the middle, a good deal narrowed towards the front, and broadly constricted there; its punctuation distinct but not close or coarse. *Elytra* punctate-striate, the punctures not large or deep, the intervals as long as the punctures, interstices moderately convex, with fine serial punctures, not rugose. *Legs* stout, apical process of tibiae rather long; basal joint of *tarsi* elongate and slender, their third joint narrow, emarginate in front, not lobate. *Antennæ* short; scape short, obviously shorter than the funiculus, rather thick; club ovate.

This may be compared with *P. constricticolle* only. It is rather smaller; the punctuation of the thorax is finer and not in the least confluent or rugose, the part in front of the constriction is finely punctured, as, indeed, it is in *P. constricticolle*; the elytral interstices are less, if at all, rugose. The structure of the tarsi and antennæ is the same in both species. The appearance is unlike our other species of *Phlæophagosoma*, but I am not prepared to make a new genus for them.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Dunedin. One specimen from Mr. T. Chalmer.

### Eutornus.

2206. *E. cylindricus*, *n.s.* Narrow, transversely convex, gradually narrowed anteriorly, glabrous, shining, piceo-rufous, antennæ and tarsi red.

*Rostrum* quite half the length of the thorax, nearly as broad as the head, finely and not closely punctured. *Head* nearly as long as the rostrum, gradually widened behind, swollen or subglobose below, with a very slight, quite lateral constriction behind the eyes, not impressed above; the punctures a little more distinct, but more distant, than those on the rostrum, becoming finer and more remote behind. *Eyes* minute, not at all prominent. *Antennæ* inserted at, or just behind, the middle; scape thickened apically; basal joint of funiculus largest, club ovate, distinct. *Thorax*, like the head, with dense minute sculpture, finely and distantly punctured; it is gradually narrowed towards the front, but only feebly constricted there. *Scutellum* polished. *Elytra* cylindric, only slightly narrowed behind, not in the least explanate there; punctate-striate, the striae shallow and their punctures small, the minute serial punctures on the interstices as numerous as those in the striae. *Tarsi* narrow, third joint not lobate.

*Underside* distantly but distinctly punctured, the metasternum canaliculate behind.

Closely allied to *E. littoralis*, of similar form, the head not so smooth behind the eyes, interstitial punctures more distinct, the thorax more rounded near the base. Scape bent, second joint of



funiculus narrower than the first or third; the club broader than in *E. littoralis*. The scrobes are deep and directed downwards along the front of the eyes.

Length,  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Otago. Mr. T. Chalmer.

2207. **E. parvulus**, *n.s.* *Shining*, testaceous, legs and antennæ red.

This is smaller and narrower than *E. littoralis* or *E. cylindricus*, and differs therefrom in having the head and rostrum nearly smooth, the few minute punctures that are visible are very distant from one another; the punctuation of the thorax is also finer and less distinct; the elytra have less regular and more shallow striæ, with finer punctures in them; the rostrum is rather shorter; the constriction behind the eyes is quite obsolete, and the same may be said regarding that of the thorax.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{4}$  line.

Taranaki. Found on the sea-shore near New Plymouth.

## Group—PLATYPIDÆ.

### Platypus (Gen., p. 539).

2208. **P. lobatus**, *n.s.* *Cylindric*, moderately shining; castaneous, legs reddish, antennæ fulvescent.

*Head* nearly plane in front, with a large central depression, moderately punctured, the punctures near the sides sometimes elongate and confluent, the whole surface densely but minutely sculptured; on the hinder portion are numerous, rather long, yellow hairs, and a smooth median line. *Thorax* slightly longer than broad, the lateral emargination angulate behind, the base with a small central lobe or angulation; the surface sculptured like the head, but with the discoidal punctuation nearly obsolete, the common cordiform densely-punctate space absent, the dorsal groove quite indistinct in front. *Elytra* much narrowed behind; each terminating in a lobe-like prolongation having a flat, but nearly vertical, face covered with moderately-coarse yellow hairs, and with three more or less obtuse denticulations at the extremity; there are, on each elytron, six unequally-impressed, minutely or indistinctly punctured striæ between the suture and side; the interstices are somewhat unequal, and are not distinctly punctate, behind the middle they are furcate or duplicate, becoming acutely carinate, with a rather broad groove between each pair of costæ, these, however, are all more or less effaced just in front of the declivity; the pubescence near this part is moderately fine and semi-erect; the suture, at the base, is quite open, and at either side of this depression there is a rugose or granulate space.

Front *tibiæ* feebly dentate, with three costiform transverse elevations, and with a distinct curvate spur at the extremity; tarsi elongate, basal joint of the posterior densely ciliate. *Buccal cavity*

almost entirely filled. *Metasternum* long, apparently impunctate, grooved behind the middle. *Abdomen* piceous, distinctly punctured, its yellow hairs more conspicuous than those on the breast.

Length,  $2\frac{1}{2}$ –3 lines; breadth,  $\frac{3}{4}$  line.

Boatman's. I am indebted to Mr. A. T. Cavell for my specimens.

2209. *P. gracilis*, *n.s.* *Parallel*, elongate, convex, slender, shining, rufo-castaneous, darker behind, legs and antennæ reddish-testaceous.

*Head* simple, with very few fine punctures, appearing almost smooth, bearing conspicuous yellow hairs behind. *Prothorax* cylindrical, its sides deeply scooped out; finely and remotely punctated, the common densely-sculptured part behind the middle rather indistinct and longitudinally divided by a fine impression. *Elytra* striate-punctate, third and fourth striæ separated from the base by the confluent raised interstices; interstices finely and very sparsely punctured, third and sixth horizontally protuberant behind, the intermediate ones also terminating horizontally and abruptly; apical portion vertical, densely and minutely sculptured; they are sparingly clothed with slender yellowish hairs, but, behind, the hairs are bright-yellow, coarser, more numerous, and stand out from the surface.

This, the most slender New Zealand species, is distinguished from all the others by its feebly-punctured head and the protuberant apices of all the elytral interstices; these are on the same plane as the disc and sides, whereas in the male of *P. apicalis* the fifth interstices are the most prominent.

♂. Length,  $2\frac{1}{8}$  lines; breadth,  $\frac{1}{2}$  line.

Midhurst, near Mount Egmont. One example.

## Group—ANTHRIBIDÆ.

### Anthribus.

2210. *A. tuberosus*, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 433.) *Nigricans*, dense vestitus, rostro elytrorumque lateribus griseo-ochraceis, antennis pedibusque testaceis, his conspicuo maculatis; elytris tuberculis grossis ornatis.

Long.,  $4\frac{1}{4}$  mm.

This species does not appear to be very closely allied to any other, but may be placed near *A. discedens*. It can be readily distinguished by the very large basal tubercles of the elytra, and the fact that the sides of the wing-cases are covered by pallid, the middle by dark, pubescence. *Antennæ* not so long as the body, yellow; first joint covered in front by white pubescence; second joint very feebly pubescent, oval; third much longer than the following, swollen at tip; 6–8 subequal, each slightly swollen at the tip; ninth as long as the eighth, equal to the two following together, and forming with them a well-marked club. *Rostrum* short and broad, densely covered with very pallid griseo-ochra-

ceous pubescence. *Eyes* convex, only moderately large, rather deeply emarginate. *Thorax* much broader than long, with well-marked carina distant from the base, and a little angulate in the middle, bent forward at the sides, forming an obtuse angle, and extending one-third of the length to the front; the outline of the sides is uneven, and a little narrowed towards the front; the surface is black-variegate on the middle, with pallid pubescence. *Elytra* with two extremely large centro-basal tubercles, with two smaller but yet large post-median tubercles, and just before the declivity with four small prominences in a transverse straight line; the pallid pubescence covers the sides of the basal tubercles, their front being black; there is also much dark colour at the apex, and it extends along the suture, though more contracted in the middle part. *Legs* pallid, with the femora and tibiæ largely marked with fuscous on the middle.

Greymouth. Helms.

Obs.—This species is closely allied to No. 990.—T. B.

2211. **A. cucullatus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 434.) *Nigricans*, pube fusco-griseaque vestitus, rostro dense subalbido pubescente, antennis pedibusque testaceis, his fusco-variegatis; thorace margine anteriore in medio bicristato, elytris tuberculis parum elevatis munitis.

Long., 4mm.

Allied to *A. tuberosus*, but abundantly distinct. *Antennæ* formed as in that species, but with less elongate third joint, and the first and second joints densely covered in front with white pubescence like that of the rostrum. This latter is short and broad. The *thorax* is rather strongly transverse, covered with variegate pubescence, which is condensed in front, forming two small tufts projecting over the front; the carina is remote from the base, subobsolete in the middle, only a little deflected to the front at the sides, and forming a very rounded angle; the *elytra* have broad but slightly-elevated centro-basal and post-median tubercles, and four indistinct nodosities, before the declivity; they are densely covered with mottled pubescence, which does not form any distinct pattern; the *legs* are variegate.

Although the form and the structural characters bring this very near to *A. tuberosus*, it is quite different, on account of the small tubercles of the *elytra*, and the colour of the sides.

Otago. Professor Hutton. One example.

2212. **A. inornatus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 434.) *Niger*, opacus, haud variegatus, pubescentia concolore vestitus, antennis corporis dimidio longioribus.

Long.,  $4\frac{1}{2}$ mm.

*Rostrum* about as long as broad. *Eyes* large and prominent, short, oval, truncate rather than emarginate in front. *Antennæ* with the intermediate joints more or less pubescent; second joint pyri-



form, rather slender, but a good deal stouter than the third, the three terminal joints forming a well-marked rather large club; the ninth longer than broad, gradually broader from base to apex; tenth not quite so long as broad; terminal joint longer than tenth, but not so long as ninth. *Thorax* about as long as broad, much narrower from the base to the front. *Carina* well separated from the base, gently curved, turned forwards at the sides, forming an obtuse angle; the surface densely, evenly, and finely rugose. *Elytra* substrate, the striae consisting of regular series of very distinct punctures. *Legs* and tarsi black, more or less pubescent at the knees.

Although closely allied to *A. incertus* and *A. vates*, this is distinguishable at a glance by the uniform black colour.

Greymouth; Kumara. Helms.

2213. ***A. concolor***, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 435.) *Piceus*, fusco-pubescent, antennis pedibusque rufis, illis corporis dimidii longitudine, clava obscura.

Long., 4mm.

This agrees in most particulars with *A. inornatus*, but differs in the more pallid colour, and has also shorter, more slender antennæ; the thorax, too, is a little less elongate. In sculpture and all other characters the two species are very similar.

Picton. Helms.

2214. ***A. obtusus***, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 435.) *Subcylindricus*, nigro-fuscus, squamulis variegatis vestitus; antennis pedibusque fusco-rufis, illis corpore brevioribus; prothorace carina transversa ad basin per-propinqua, angulis posterioribus haud acutis.

Long., 4mm.

This is remarkably similar to *Etnalis spinicollis* in appearance, but differs in important structural characters, so as to stand systematically intermediate between the species named and *A. huttoni*. The antennæ are slender, a good deal shorter than the body, the basal joint much exposed; third joint very slender, elongate, not at all clubbed at the apex; 4-8 each infusate at the apex; ninth broader from base to apex, slightly longer than broad; tenth shorter, terminal joint obtuse, about as long as broad. *Rostrum* short and broad. *Eyes* moderately large, emarginate, but not deeply so in front; the surface very densely and minutely sculptured, feebly pubescent. *Thorax* not so long as broad, only a little narrower in front, the sides scarcely sinuate in front of the base; the carina straight, extremely near the base; it is not continued upwards along the sides, but is scarcely prominent at the angles; the surface is covered with fuscous scales or hairs, and has a large patch of white, or pallid-ochreous colour, on the basal portion of each side. *Elytra* not elongate, behind the base a little transversely depressed, with series of punctures, which are quite obsolete on the apical portion, the external ones being more distinct; they are covered with griseous, fuscous, and nearly-black hairs or pubescence, in an irregular

spotted manner. *Legs* red; femora more or less dark across the middle; the tarsi with the apices of the joints infuscate.

Picton. Helms; two examples. This is distinguished from *Etnalis spinicollis* by the simple angles of the thorax, and the much less deeply divided eyes; the thoracic carina, too, is not absolutely contiguous with the base of the elytra.

OBS.—The words “the surface very densely and minutely sculptured, feebly pubescent,” refer, I think, to the head and rostrum, not to the eyes.—T. B.

OBS.—*A. obtusus* is evidently nearly allied to No. 976, and may therefore prove to belong to *Eugonissus*.—T. B.

## Eugonissus.

*Nov. gen.*

*Body* convex, subconical. *Rostrum* short, medially emarginate in front. *Antennæ* inserted in deep foveiform cavities in front of the eyes; shorter than the body, basal joint not so thick at extremity as at the middle; second short, clavate; joints 3–8 gradually decrease in length, each thickened but not nodose at the extremity, third evidently longer than fourth; 9–11 forming a well-developed club. *Eyes* almost rotundate, longitudinal rather than transverse, just clear of thorax, hardly at all emarginate in front, widely distant above. *Thorax* conical; its carina contiguous with the base, not bent forwards along the sides, at the middle obtusely prominent, widely sinuate towards each side, its outer angles directed laterally and posteriorly but not projecting much beyond the shoulders of the elytra. *Scutellum* small. *Elytra* oblong, convex, bicurvate at base, so as to be exactly adapted to the thorax. *Pygidium* conical. *Legs* moderate; basal joint of the *tarsi* elongate, third short, claws distinctly appendiculate. *Prosternum* widely emarginate in front; anterior *coxae* distinctly but not widely separated, the others more distant from each other. *Metasternum* short, episterna parallel. *Abdomen* short, the sutures curved. Mesosternal process not dilated behind.

*Eugonus* and *Etnalis* are its nearest allies.

2215. **E. pictipes**, *n.s.* *Variegate*, fuscous and obscure-red; antennæ fulvescent, the club only infuscate; legs reddish-chestnut, femora, tibiæ, and tarsi with dark spots; the clothing consists principally of moderately-coarse yellowish hairs, the others more slender and darker.

*Rostrum* nearly quadrate, closely punctate. *Eyes* moderately large and prominent, the space between them and the antennal cavities very short. *Thorax* convex, narrowed in front, transversely depressed in front of the carina, the basal angles subacute, and extending just outside the shoulders; its punctuation close. *Elytra* oblong, with only moderate basal elevations, slightly transversely impressed before the middle; their punctures tolerably regular and

forming striæ; the base and apex, and an irregular spot near each hind thigh, on the fourth, fifth, and sixth interstices, darker than the rest of the surface.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{2}$  line.

Waitakerei. One example.

OBS. 1.—No. 976 belongs to this genus, and is the species from which the generic characters were taken. It becomes, therefore, *Eugonissus conulus*. It is distinguishable from the preceding species by its larger size and maculate antennæ.

OBS. 2.—No. 977 must also be placed in *Eugonissus*. It may be easily recognised by the almost silvery-white scale-like hairs along the elytral disc, bordered externally behind the middle by broad fuscous spaces. The antennæ are rather longer than in the typical species, and the second joint is nearly of the same length as the first; the outer angle formed by the carina is not quite so prominent; and the elytra are rather longer; but, notwithstanding these discrepancies, it does not differ in essential characters.

## Dysnocryptus.

*Nov. gen.*

*Eyes* transverse, coarsely faceted, convex, entire. *Rostrum* very short, truncate in front. *Antennæ* implanted close to the inner and front part of the eyes, much shorter than the body, bearing some erect hairs or fine setæ; basal joint widened towards the extremity, straight externally, much rounded on the inside; second joint rather shorter than the first; joints 3–8 slender, decreasing in length; the three last form the club; tenth joint broader than long. *Thorax* large in proportion to the hind-body; its carina moderately distant from the base, rounded but not sinuate, sometimes medially angulate, obsolete along the sides. *Scutellum* invisible. *Elytra* short, almost rotundate, evenly convex. *Legs* rather long and stout, the anterior longest; *tarsi* rather short and broad, basal joint not twice the length of the second, which is hardly any longer than the bilobed third joint, claws toothed. *Metasternum* and abdomen short.

This genus comes near *Notioxenus* (Lacordaire, *Hist. des Insectes Coléopt.*, tom. vii., p. 594), but the figure given (No. 6, Plate 80) represents a form quite different from the species which I propose placing in *Dysnocryptus*; the structure of the tarsi and antennæ too is quite different, but perhaps the figure does not accurately agree with Wollaston's type (*Notioxenus rufopictus*).

2216. *D. plagiatus*, *n.s.* *Shining*, testaceous, the thorax with a broad central, and an oblique lateral, streak, confluent in front of the middle, blackish; a large space on the elytra, occupying more than half of the surface, also piceous; legs infuscate, the knees and extremity of tibiæ still darker; antennæ testaceous, club infuscate; nearly glabrous, having only very few hairs.



There is but one species of New Zealand Anthribidæ like this—*A. rugosus*, Sharp. *D. plagiatu*s is not opaque; the *thorax* is broader, and the punctures, though larger, are not so close to one another, the surface is less rugose; the *elytra* are broader behind the shoulders and more narrowed apically, so that the general outline is more rotundate, their sculpture is very similar, strongly punctated deep striæ, but the interstices are rather broader, though comparatively narrow, the basal margin is quite distinct, and immediately behind it there is a narrow depression so that the convex interstices do not actually reach the base.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Waitakerei. One example, of uncertain sex.

2217. **D. testaceus**, *n.s.* *Testaceous*, the knees, apex of tibiæ, the tarsi, and antennal club slightly infuscate; moderately shining, nearly nude, there being only a few fine, erect, greyish hairs.

*Anthribus dignus* is the nearest ally. This species differs from it in being less glossy or polished, and not at all rufescent; the *thorax* is broader and more coarsely, yet nowhere deeply, punctured; the *carina*, instead of being strongly rounded, is almost obtuse in the middle; the *elytra* are very similar, short, broad, and strongly rounded, distinctly margined, and with rows of punctures which form striæ behind; the *legs* are longer and more robust. *Anthribus inflatus*, Sharp, is also a nearly-allied species, but *D. testaceus* is larger, possesses more prominent eyes, has a larger thorax with coarser punctures, and the *elytra* are more rounded, but less evidently striate.

Length, 1; breadth,  $\frac{1}{2}$  line, nearly.

Tiritiri Island. One example, from Mr. Sandager.

OBS.—The genus comprises, besides the two species described above, *Anthribus inflatus* and *A. rugosus*, Sharp, and *A. dignus*.

2218. **D. pallidus**, *n.s.* *Pallid*, pale-testaceous, with ill-defined darker, yet hardly infuscate, marks; slightly nitid, clothed with very slender pale hairs, but also with many very long upright ones; head black, the legs and two basal joints of the antennæ testaceous or slightly rufescent, the other joints pale-brown, the club darker.

*Rostrum* short, closely, coarsely, and rugosely sculptured. *Antennæ* as long as the head and thorax; basal joint robust, slender at base, very much dilated and curved towards the extremity; second rather smaller; 3–6 very slender and elongate; seventh and eighth somewhat thicker; ninth distinctly larger than eighth; tenth more than twice the breadth of the preceding one; club moderately broad, loosely articulated. *Thorax* about as long as broad, much narrowed, almost constricted, in front, its punctuation rather coarse but not deep, moderately close; the *carina* slightly angulate at the middle, then directed obliquely towards the side, where it ends. *Elytra* convex, short and broad, truncate behind; distinctly punc-

tate-striate, the third and fourth, and the fifth and sixth, confluent behind, at this part smooth and very pale. *Legs* stout.

A rather broad convex species, distinguishable by its clothing, pale colour (except the head), and distinct sculpture.

Length (rost. incl.), 1; breadth, quite  $\frac{5}{8}$  line.

Wellington. One individual, found by Mr. Sandager.

2219. **D. maculifer**, *n.s.* *Testaceous*, rather dull, the head and irregular spots on the thorax and elytra darker, the knees and extremity of tibiæ infusate.

*Rostrum* short, rugosely sculptured. *Thorax* about as long as it is broad, strongly rounded laterally; rather closely, moderately coarsely, but not very deeply punctured; the *carina*, in the middle, slightly angulate, oblique towards its terminal points. *Elytra* short, broad, and convex; punctate-striate, the third and fourth striæ abbreviated. *Legs* stout. *Antennæ* not materially different from those of *D. pallidus*.

The *clothing* consists of very slender pale hairs, there are no coarse erect ones. *D. pallidus* is a larger insect; the elytral grooves are not as deep as they are in *D. plagiatus*, and the interstices are broader and flatter; the dark spots on the elytra, in line with the hind thighs, do not form a fascia, there being a wide sutural space between them.

Length, 1; breadth, quite  $\frac{3}{8}$  line.

Mokohinou Island. Sandager; one example.

2220. **D. nigricans**, *n.s.* *Black*, legs fuscous, antennæ testaceous, club slightly infusate; moderately shining, sparsely clothed with very slender, not long, yellowish hairs.

*Rostrum* short, rugose. *Thorax* as long as broad, more narrowed in front than it is behind; rather coarsely, closely, and rugosely punctured; its *carina* not angulate at the middle, rather near the base, forming a wide slight curve from side to side. *Elytra* punctate-striate.

This most nearly resembles *D. plagiatus*, from which it differs principally in coloration; the space between the carina and elytral margin rather shorter; elytral interstices narrow and convex; the striæ deep, the intermediate, as seems usual in this genus, are abbreviated and confluent behind.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Northcote, Waitemata Harbour.

### Anthribus.

2221. **A. minor**, *n.s.* *Subopaque*, head and thorax fusc-niger, elytra fuscous, but slightly bronzed; legs and club infusate, knees paler; tarsi, and two basal joints of antennæ, fulvescent, intermediate joints fusco-testaceous; pubescence greyish or ash-coloured, with minute pale brassy scale-like hairs on elytra, more concentrated near the middle, so as to form a large spot there.

Closely related to *A. crassus*, No. 983. *Antennæ* with the second joint thicker and rather shorter. *Elytra* very similar, the sculpture, however, more obvious, considering the small size of the insect, it being little more than half the bulk of the other.

Length, nearly 1; breadth,  $\frac{3}{8}$  line.

Paparoa, near Howick. One example.

2222. **A. fungicola**, *n.s.* *Convex*, subopaque; head and thorax nigro-piceous, frontal portion of the latter rufescent; elytra of a chestnut colour; antennæ fuscous, but with their two basal joints fulvescent; legs reddish-brown, the knees and tarsi paler.

*Head* and rostrum closely and comparatively coarsely punctured. *Thorax* with similar sculpture, broader than long, bearing flavous pubescence. *Scutellum* indistinct. *Elytra* evenly convex, without distinct inequalities, rather regularly punctured, the punctures forming striæ; interstices rather closely punctate.

*Underside* and pygidium blackish.

This is congeneric with *A. crassus*. It is differently coloured, and the yellowish pubescence is evenly distributed instead of causing spots; the thorax is much shorter, and its carina, owing to the absence of the elytral margin or thickening of the base, does not seem so closely fitted to the hind-body.

Length, 1; breadth,  $\frac{1}{2}$  line.

Five examples, found amongst fungi on the side of a log near Howick. The insect possesses considerable saltatorial powers.

2223. **A. thoracicus**, *n.s.* *Compact*, very convex, suboblong, slightly shining, greyish-black; legs rufo-fuscous; tarsi and antennæ paler, the two basal joints of the latter fulvescent; clothing greyish.

This little creature much resembles *A. nanus*, but has the head less rostrate. It is remarkable on account of the very large thorax, which, indeed, just about equals the hind-body in bulk; its punctuation is close, rather coarse, comparatively, and appearing transversely rugose; the middle of the disc less elevated than in that species, and with the carina more strongly sinuated on either side of the middle. *Elytra* densely sculptured, and with very irregular series of moderately large punctures; each elytron with three large, but not much elevated, rather rotundate prominences disposed in a row.

The posterior angles formed by the carina do not embrace the shoulders to the same extent they do in *A. nanus*, but in other respects the structural characters are similar.

Length,  $\frac{5}{8}$ ; breadth, nearly  $\frac{3}{8}$  line.

Mokohinou Island. One individual, found by Mr. Sandager.

2224. **A. sandageri**, *n.s.* *Variegate*, pale - castaneous; the sides, undersurface, an oblique vitta on each elytron extending from the base, midway between the scutellum and shoulder, to the hind thighs, sometimes interruptedly prolonged round the apex, and a broad curvate fascia behind these thighs, dark-fuscous or blackish;



there are some other small spots of similar dark colour on the elytra ; the femora, and two broad spots or brands on the tibiæ, as well as two indistinct elongate basal spots on the thorax, are also dark in colour ; the rest of the tibiæ, and the antennæ, fusco-testaceous, tarsi variegate. The clothing consists of yellowish hairs on the paler places, and of blackish ones on the darker spots, even the rostrum being densely covered.

A form closely resembling *A. brouni* in structure. *Antennæ* reaching thoracic carina, more or less pubescent. *Rostrum* moderately finely punctate, dilated at apex. *Eyes* rather smaller, more distant from thorax ; *head* longer. *Thorax* not so broad behind the middle, sculptured like the rostrum ; the *carina* further from the base, not so well marked and continuous, being indistinct, and inclined forwards rather than backwards at the middle, and near each side there is a short space where it seems almost absent, this space being covered by pubescence, the outer angles obtuse ; there is, besides the carina, an ill-marked raised line nearer the base. *Scutellum* minute. *Elytra* but little wider than the thorax at the base, sub-oblong, convex, with a distinct sutural stria, the series of punctures rather fine and distant, much less evident than in *A. brouni*, and, indeed, quite obsolete on most part of their surface ; they are not depressed behind the base. *Tarsi* with the second joint emarginate at apex, lobes of the third rather narrow.

♀. Length, 2 lines ; breadth,  $\frac{5}{8}$  line.

Moeraki. One female, found by Mr. Sandager on a climbing plant during winter. The species bears the name of its discoverer.

Obs.—Since the description of *Anthribus sandageri* was written I have received four or five additional specimens, some of which are smaller than the type. In these the general ground-colour is almost wholly blackish-brown except the darker transverse space behind the posterior femora, and an ill-defined oblique longitudinal streak, but so densely clothed are they as to appear somewhat testaceous ; the hairs on the rostrum have a golden hue. The *rostrum*, when denuded, exhibits a fine smooth carina along the middle, ending in a broad shallow interocular depression. The *thorax* is finely, closely, and almost rugosely sculptured. The *head* is immersed up to the eyes. The *antennæ* have the six basal joints tipped with brown. The *elytra* have the sutural striæ uninterrupted from base to apex, but the serial punctures almost entirely cease near the hind thighs. I think these specimens represent a varietal form only, but it may be as well to give them a name (*A. obsoletus*), in case they may ultimately prove to be distinct.

2225. **A. brunneus, n.s.** *Body* uniformly pale reddish-brown ; antennæ red, club and tarsi infusate ; the clothing consists for the most part of greyish scale-like hairs, which cover the head and rostrum, form a narrow line from front to rear of the thorax and some large spots on its sides, on the elytra they form numerous conspicuous rather elongate spots ; and, in addition to these, there are some slender, obscure, reddish hairs.

Near *A. vates*. *Eyes* rather more rotundate, but nevertheless with a very slight frontal truncature. *Thorax* rather shorter, apex medially incurved; carina a little nearer the base, slightly angulate towards the scutellum, and, beyond, oblique rather than curvate; the surface closely punctured. *Antennæ* shorter, more finely and sparsely pubescent, the basal joint without distinct grey hairs, the second more slender at base but more clavate at the extremity.

Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

One example, found near Howick. I may here state that all my measurements of species of Anthribidæ, as regards length, include the rostrum.

2226. *A. tessellatus*, n.s. *Nigro-piceous*, subopaque, the antennæ (save the infusate club and apical half of intermediate joints) dark-red; the knees, claws, base of femora, and sometimes the basal part of tarsal articulations, rufescent; clothed with conspicuous grey hairs, giving the wing-cases a spotted or tessellate appearance, and, on the thorax, forming an indistinct central line as well as spots near its sides; besides these there are many slender ash-coloured hairs which may easily escape observation.

*A. inornatus* rather than *A. vates* is the nearest ally. From the former it differs in having the *carina* rather more strongly rounded, with a short sinuosity or incurvature opposite the scutellum, the outer angles are more sharply defined, and the thorax, in line with these, is a little wider than the base of the elytra; its surface closely, rather finely, almost rugosely sculptured. The *eyes* rather more obliquely, yet only slightly, truncate in front, the front or inner part more prolonged, so that they are more approximate above than in *A. vates*. *Scutellum* grey. *Elytra* less evidently impressed before the middle. The larger, less widely separated eyes distinguish it from *A. brunneus*.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Tairua. One—a female, I think—found during a recent visit.

2227. *A. curvatus*, n.s. *Fusco-rufous*, rather obscure, legs clear chestnut-red, antennæ red, the club a little opaque with fine pubescence but hardly at all darker in colour; pubescence not coarse, yellowish-grey and yellowish, the former most conspicuous on the elytral disc, but not causing distinct spots.

There are four similar species—*A. inornatus*, *A. concolor*, *A. brunneus*, and *A. tessellatus*. The last, being blackish, with obviously-spotted elytra, may be left out of consideration; the first two are unicolorous, black or piceous, so these too are dissimilar in some respects; the nearest species is therefore *A. brunneus*, but in *A. curvatus* the *carina* assumes the form of an uninterrupted curve from one side to the other, without any median angulation, or incurvature. The *antennæ* are rather longer (three-fifths of the length of the body), their basal joint a little more exposed, second joint appearing to be slightly longer than first, not abruptly clavate, and one-third shorter than the next one, ninth shorter than the last two,



of triangular shape. *Elytra* with very slight obtuse basal elevations, very feebly impressed behind these; the punctures form striae, and there is a short scutellar row on each elytron, so that the next two are oblique near the base: this, however, is the usual sculpture. *Eyes* rather larger and more oblique, certainly more approximate in front. *Abdomen* with three basal segments impressed along the middle.

♂. Length,  $2\frac{3}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Found near Howick. One male.

2228. **A. decens**, *n.s.* *Variegate*, infusate-red; legs fuscotestaceous, scarcely at all maculate; antennae almost concolorous, obscure-red; clothing dense, grey, fulvescent, and fuscous, the alternate elytral interstices spotted with grey and fuscous.

*Antennae* elongate, rather more than twice the length of the body, ninth joint not three times as long as the tenth and eleventh taken together, the two basal joints more obviously pubescent than the others.

*A. phymatodes* is congeneric. This species is larger and more brightly coloured; the *antennae* are longer and thicker, their third joint more strongly bent; *head* similarly bituberculate; *eyes* of similar form; *thorax* rather longer, the carina a little less sinuate towards the sides; *elytra* oblong, rather more finely punctate-striate, basal callosities well developed, those on the third interstices, behind the middle, very much smaller than they are in *A. phymatodes* and not placed so far back, the summit of posterior declivity more elevated.

♂. Length,  $2\frac{3}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Howick. One example.

OBS.—I found an insect on the Waitakerei Range which I consider a varietal form of No. 1317, having the *elytra* more distinctly spotted, the spots almost regular and suboblong, alternately blackish and greyish, and, where the carina terminates, there is a distinct notch in the side of the thorax.

2229. **A. finitimus**, *n.s.* *Piceous*, legs and antennae obscure-reddish, tibiae with a distinct dark spot at the extremity, two basal joints of tarsi pitchy at apex; clothing dense, soberly coloured, white, yellowish, and cinereous, with pale and dark spots on the wing-cases, their sides and posterior part darker than the disc.

This is another near ally of *A. phymatodes*; it is, however, nearly twice its bulk. The antennae are more than two times the length of the body. *Rostrum* medially incurved in front, relatively shorter; *mandibles* longer; *head* more coarsely sculptured, with more prominent tubercles; *eyes* similar, but rather more emarginate. *Thorax* but little broader than long; its carina rather thicker at the sides than in *A. phymatodes*, so that where it ends the sides appear to be suddenly narrowed anteriorly, but the notch visible in *A. picipictus* at that point is here absent. *Elytra* almost twice as long as broad,



the median elevations much smaller than in *A. phymatodes*, and their sculpture rather finer. From *A. decens* it is distinguished by the greater size, longer antennæ, larger tubercles on the head, as well as by the differences in colour.

♂. Length,  $2\frac{7}{8}$  lines; breadth, 1 line.

Waitakerei Range. Fem. incog.

2230. **A. anxius**, *n.s.* *Subopaque*, dark blackish-brown, very dark below and along the sides; most part of femora also dark, but with their extremity, and the tibiæ (except the blackish apex), obscure-red, tarsi also variegate; antennæ shining, red, club darker.

When compared with *A. vates* the following differences may be noticed: *Antennæ* thicker, the joints less nodiform at apex; the three first joints are more distinctly pubescent than the others, the club more finely but densely, third joint quite one-third longer than second. The *clothing* is darker, more flavous, less dense on thorax, so that bare spots are seen. The *elytra* are, on the dorsum only, a little and irregularly spotted. The *carina* is just perceptibly more angulate in the middle. The *legs* have much less pubescence. The insect itself is smaller.

Length,  $2\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Howick. One individual only.

OBS.—A variety of *A. vates* exists for which I propose the name *A. nigrofasciatus*. It has a broad, almost black, fascia, in line with the hind thighs, but not reaching the sides. The third joint of the antennæ is about one-third longer than the second: Dr. Sharp describes that joint, in *A. vates*, as being "one and a half times longer," but I have no specimen of the species with such a long third joint; perhaps, however, he made a mistake in estimating the relative lengths.

Another variety, which occurs on Mount Arthur, may bear the name *A. aspersus*. The darker hairs are inconspicuous, but the grey form large spots on the elytra, often assuming the form of large irregular somewhat angular spaces. Antennæ similar to *A. nigrofasciatus*. Legs obscure-red. It may be distinguished from *A. tessellatus* by the shape of the eye.

These two forms may ultimately prove to be distinct species.

2231. **A. lætabilis**, *n.s.* *Variegate*, infusate-red, legs a little paler; middle of femora, last tarsal joint, and extremity of joints of antennæ fuscous; clothing less dense on thorax than on elytra, fulvous and grey intermingled, and with some small black spots on the third, fifth, and seventh interstices, besides two larger indefinite ones on the declivity, the grey hairs most conspicuous on the third interstices.

Its nearest ally is *A. discedens*, from which this differs in having the *antennæ* just twice the length of the whole body, they are also rather thicker, joints 3-8 are more nodose at the tip, the ninth quite double the length of the tenth and eleventh conjointly. The *thorax*

more evidently convex across the middle, and slightly longer. *Scutellum* grey. *Elytra* with the minute median elevation situated further back.

Length,  $1\frac{7}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Tairua. One example, no doubt a male.

2232. *A. deterius*, *n.s.* *Fusco-piceous* or slightly variegate; legs red, femora and tibiæ medially nigrescent; antennæ fuscous, the joints darker at the extremity, the two basal joints reddish; pubescence greyish, greyish-yellow, and infusate, not forming well-defined spots, but the top of the hind declivity and a curvate mark behind the middle of the elytra rather darker in colour, owing, seemingly, to the colour of the derm as well as the scanty dark clothing.

Although *A. hetæra* is undoubtedly the species most nearly resembling this one, they cannot be associated together in the same genus because of certain structural differences.

The *eyes* are smaller, more evidently free from the thorax, rotundate or broadly oviform, without any perceptible emargination, and are situated laterally, so that the antennal fossæ are exactly in front of them. The *antennæ* are scarcely as long as the body, formed as in that species. *Thorax* a little shorter and broader, its surface distinctly and closely punctate; the carina closer to the base, widely sinuated towards the sides, its outer angle more acute, rectangular in fact, and extending nearly half-way along the side. *Scutellum* minute. *Elytra* oblong, a little bicurvate and marginate at the base, so that the thorax can be almost exactly fitted to the elytra, when the thoracic carina and elytral margin would touch; they are distinctly punctate-striate, bear two moderately large basal elevations, are transversely depressed before the middle, and though the part behind the depression seems raised there are no obvious inequalities of surface there. *Tarsi* rather thick and long.

Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Helensville, Kaipara Harbour. One individual.

2233. *A. impar*, *n.s.* *Variegate*, obscure - red and piceous; antennæ wholly fusco-testaceous or slightly rufescent; legs somewhat testaceous, femora, tibiæ, and tarsi spotted with fuscous; clothing fulvescent, griseous, and cinereous, the dark spots observable on the elytra are caused more by the ground-colour than by the pubescence.

Rather smaller than *A. phymatodes*, and, I think, congeneric: the *eyes*, however, are smaller, though of the same shape; the *head* is destitute of distinct tubercles; *antennæ* only a little longer than the body, the two basal joints with yellowish pubescence, the third evidently longer than those which follow, ninth longer than the terminal two taken together; *thorax* like that of *A. phymatodes*, but rather more uneven; *elytra* not very regularly punctate-striate, basal callosities well developed, with two rather smaller ones behind the middle, the third and fifth interstices terminate in small elevations.

The contrast between the different colours is much more marked than in *A. phymatodes*, and the insect is smaller; it is not, however, the female of that species.

Length,  $1\frac{3}{8}$  lines; breadth, quite  $\frac{1}{2}$  line.

Waitakerei Range. One specimen.

### **Arecopais.**

*Nov. gen.*

Distinguished from *Exilis* as follows: *Rostrum* narrower, hardly at all dilated near the antennal fossæ. *Eyes* less transverse, of rounded outline behind, but almost truncate in front, where there is a narrow emargination. *Antennal cavities* nearly similar, extending nearly to the front of the eyes. *Antennæ* slender and elongate, as in *E. lawsoni*; their basal joint not cut away at the base, so as to be less capable of free motion; second joint longer, gradually thickened; the fourth joint not abbreviated. *Thorax* about as long as broad; the *carina* not at all angulate in front of the scutellum, less sinuate, more evidently prolonged forwards at the sides, being, in fact, thicker there than at the base, the basal angles more obtuse. *Legs* much longer. *Prosternum* not incurved in front; anterior *coxae* more globose, but separated to the same extent, in both genera rather narrowly. The *head* being longer the parts of the buccal cavity are correspondingly more elongate; the mandibles, too, are more prominent and slender.

The genus is instituted for No. 980, which now becomes *Arecopais spectabilis*. *A. phymatodes*, and its allies, may be looked upon as a nearly-related group, differentiated at once, however, by the presence of tubercles on the head.

### **Proscoporhinus,**

*Montrouz.*

*Head* and rostrum very large; the latter, in the male, as broad as the thorax; middle of apex subtruncate, beyond that oblique; its sides deeply and widely sinuate, with a deep narrow excision behind limiting it from the short transverse head, which, owing to the dense vestiture, cannot always be distinguished from the rostrum when examined from the vertical front. *Eyes* and front of thorax contiguous, when the head and rostrum are deflected they are easily detected, but when the rostrum is nearly on a level with the body they are invisible from above; moderately separated above, strongly transverse, about three times broader than long, evidently emarginate in front. *Antennæ* slender, two or three times longer than the body; inserted in front of the eyes below the angularly-dilated sides of the head; basal joint with the exposed portion much enlarged, second short, third elongate yet shorter than fourth, joints 2-8 more or less expanded, or nodose, at the tip, ninth longer than head and thorax, forming with the following two



a rather slender elongate club; tenth longer than broad, eleventh nearly twice as long as tenth. *Thorax* very short, obtusely produced in front at the middle; its carina distant from the base, angulated towards the scutellum, with two more or less evident sinuosities on either side, bent forwards and extending along nearly two-thirds of the side, thus forming a nearly rectangular angle. *Scutellum* small, subquadrate. *Elytra* oblong, shoulders obtusely rectangular, rather wider than thorax, perpendicular and broadly rounded behind, uneven above. *Pygidium* curvilinearly triangular. *Legs* moderate, the anterior longest, femora clavate. *Tarsi* elongate, narrow, their first joint nearly twice the length of the second, third very short and bilobed; claws toothed. The mesosternal process small, broadly angulated behind.

Fem. *Head* and rostrum of normal size, about equal in breadth. *Antennæ* as long, or nearly as long, as the body, the club moderately short. *Eyes* quite uncovered.

2234. **P. signatus**, *n.s.* *Convex*, blackish, densely covered with blackish, pale-brown, and greyish hairs; the last predominate on the head, rostrum, thorax, and sides of elytra; the first form two basal spots on thorax, four minute ones in a transverse series behind the middle of elytra, two of which are on the suture, and, on each elytron, a large, oblique, vitta-like mark extending from the suture, before the middle, towards the outer extremity; the infusate pubescence is most conspicuous on the elytral disc; shoulders obscure-green, as are also the variegate legs, tarsi blackish, antennæ pale-brown, their basal joint and club darker.

*Rostrum* as broad as the head, subquadrate, slightly raised and angulate at antennal cavity; apex medially incurved, obliquely sinuous towards the sides; the sculpture quite concealed. *Mandibles* large, castaneous, tipped with black. *Eyes* contiguous with thorax, transverse, deeply emarginate, more prominent and pointed below than above. *Antennæ* slender, shorter than the body, basal articulation moderate; second very short, fourth rather longer than third; joints 3-8 gradually widened towards the extremity; ninth slightly longer than eleventh, very slender at base; the club densely, the other joints more sparingly, pubescent. *Thorax* strongly transverse, obtusely rounded in front, rather closely and finely punctate, uneven, there is a smooth, shining spot on the middle, but the sculpture can hardly be seen; the carina bisinuate towards each side, the middle angulate, forming subacute angles, and extending nearly half-way along the sides. *Scutellum* pilose, with a smooth line along the middle. *Elytra* rather broader than thorax at base, oblong, with two large prominences near the base, the third and fifth interstices terminate in elevations; their serial punctures or striæ more or less flexuous.

I feel quite satisfied that this is a distinct species; my specimen, a female, is nearly twice the bulk of No. 939, the description of which was derived from a male. The sinuation of the carina just beyond the middle is about twice as wide as it is in *P. meinertzi*.

*hageni*, more resembling that of *P. albifrons* so far as I can judge by the figure (No. 19, Plate xiii., *Trans. Roy. Dub. Soc.*, 1886).

♀. Length (rost. incl.),  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{4}$  lines.

Waimarama, Napier. Mr. Meinertzhagen.

2235. **P. viridescens**, *n.s.* *Body* dark-fuscous, here and there greenish, particularly near the shoulders, tibiæ and third antennal joint also viridescent, the other joints pale-brown but darker at the extremity; tarsi nearly black, elytra with some small dark spots; mandibles and front of rostrum reddish: densely clothed with greyish, and yellowish, coarse hairs, the middle of the rostrum with coarser villosity.

Agrees in most respects with the description and figure of *P. albifrons*. The *antennæ* are, in the male, less than three times the length of the body; apex of joints 2-5 nodose, the others less so. *Head* not dentate, finely and densely sculptured. *Thorax* strongly transverse, uneven; disc depressed, with a large, rounded, slight elevation in the middle, finely and closely punctured, and with a few larger punctures near the centre; the carina medially obtusely angulated, from thence directed a little forwards; but hardly sinuate, and, nearer the side than the middle, distinctly angulated, from that point turned backwards to form the almost sharp angle, and then marking the lateral margin to beyond the middle; its termination defined by a short notch in the side; apex obtusely rounded in the middle. *Elytra* oblong, uneven, basal elevations large, third and fifth interstices elevated behind, fifth not extending so far back as the third; the rows of punctures distinct but not regular, two of the striæ deep near the shoulders, those along the sides indistinct.

♂. Length (rost. incl.),  $2\frac{3}{4}$ - $3\frac{1}{4}$ ; breadth,  $\frac{7}{8}$ - $1\frac{1}{4}$  lines.

Fem. Much more finely pubescent; *antennæ* shorter than the body; *eyes* wholly uncovered, emarginate in front, not so large and transverse as in *P. signatus*; *carina* less distant from the base of the thorax than in the other sex; elytral elevations less developed, the striæ more regular, almost quite regular.

Length,  $2$ - $2\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Clevedon. Mr. G. Munro was kind enough to send me three examples of both sexes.

2236. **P. albifrons**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 435.) *Fusco-viridescens*, hic inde rufescens, capite anterieus albido-piloso, elytris inæqualibus, antennis corpore fere triplo longioribus, testaceis.

♂. Long., 5mm.

The prevalent colour is a pallid fuscous, passing in places to a greenish tinge, and in other spots to a reddish. The front of the head, and also the basal joint of the antennæ, present a vertical face, covered with a white pubescence, which is denser and more patchy on the middle of the head; in front of the insertion of each antenna there is a small pointed projection or tuft. The thorax is

without punctuation, and has a fine white pubescence on the middle; the transverse line in front of the base strongly angulated on either side. The *elytra* have a very large prominence on either side of the suture behind the scutellum, and the third interstice from the suture projects at the hinder part so as to form a sort of bulla, the fifth interstice projecting in a similar though slighter manner; the striæ are rather deep, but irregular, and consist of rather coarse punctures; the interstices bear a few small fuscous spots or tufts.

A specimen of this species was sent by Mr. Helms, and was found on the racecourse. The female is, I believe, unknown. *Anthrribus meinertzhageni*, Broun, is no doubt a *Proscoporhinus*. The genus was founded on a rare New Caledonian insect, and its discovery in New Zealand is of some interest on this account. The entomology of New Caledonia is only very imperfectly known, and we may anticipate that a greater affinity will be found to exist between it and that of New Zealand than is at present suspected.

## Xenanthribus.

*Nov. gen.*

*Body* convex, short and broad, medially contracted, clothed with moderately short, and very long outstanding, hairs. *Rostrum* short and broad. *Scrobes* foveiform, lateral, situated in front of the lower margin of the eyes. *Mandibles* large, acute at apex. *Eyes* small, finely faceted, rotundate, indistinctly truncate in front, widely separated above. *Antennæ* moderately short, bearing some elongate hairs; the basal joints stout and about equal; 3-6 rather slender, decreasing in length, each longer than broad; seventh and eighth a little shorter and broader than the preceding one; club triarticulate, finely pubescent. *Thorax* with rounded sides, rounded and somewhat produced in the middle in front, without lateral margins, and without the usual carina near the base. *Scutellum* invisible. *Elytra* short and broad, margined at the base, humeral angles rounded, of the same width as the thorax at the base, abruptly declivous behind. *Pygidium* conical. *Legs* comparatively long and stout, simple; *tarsi* stout, third joint deeply bilobed, fourth elongate; claws provided with elongate denticles. *Prosternum* widely emarginate in front. *Mesosternum* about as long as the remarkably short *metasternum*. *Coxæ* moderately narrowly separated, the posterior rather more widely than the others. *Abdomen* with the basal four segments short, fifth longer but narrower.

This is distinguished from all the other genera of the Anthribidæ known to me by the absence of the basal carina of the thorax. A new group must be added to the family for its reception, having for its differentiating character what I have already indicated.

2237. **X. hirsutus**, *n.s.* *Fusco-niger*, elytral disc sometimes rufescent; the apical portion of the tibiæ, two small basal elytral elevations, and the tarsi pale-chestnut; two basal joints of antennæ fulvescent, joints 3-5 testaceous, club infusate; clothed with very



long infusate hairs and shorter yellowish ones, these latter of different degrees of thickness, forming a frontal patch on the thorax, and two narrow ones along the middle, one of which is close to the base.

*Thorax* about as broad as it is long, evenly convex, the base and apex of nearly equal width, the former truncate, the surface coarsely, closely, and deeply punctured. *Elytra* rather broader than the middle of the thorax, not much longer than it, their sides curvate, basal margin distinct; they are coarsely striate-punctate, the third interstices are a little raised, and, in some examples, bear two or three yellowish spots, near the middle of the base the yellow hairs sometimes form a large mark; the scutellar region is depressed, and there is a broad shallow impression near each shoulder.

*Underside* dark, clothed with grey hairs, with coarse punctures; the fifth segment, however, and the sides of the basal four, are nearly smooth.

I have not been able as yet to distinguish the sexes in a satisfactory manner.

Length (rost. incl.), 1; breadth,  $\frac{1}{2}$  line.

Moeraki. Mr. Sandager is the discoverer of this interesting little creature.

## Group—CERAMBYCIDÆ.

### *Didymocantha*.

2238. **D. robusta**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 92.) *Fuscula*, capite thoraceque rufis, antennis pedibusque rufo-testaceis; *clytris* nitidis, fortiter punctatis, pubescentia sparsa erecta vestitis, ex parte majore testaceis, argute fusco signatis.

Long.,  $12\frac{1}{2}$  mm.

*Head* red, coarsely punctate and much pubescent. *Antennæ* pale-red, their basal portion much pubescent; towards the apex the pubescence becomes gradually less, and is wanting on the apical joint. *Thorax* red, about as long as broad, the surface very uneven, with a smooth longitudinal space on the middle, on each side of which are coarse punctures; this smooth space does not extend to the front part, which is coarsely punctate; on each side of the middle towards the front there is a very distinct shining tubercle, and externally to this a less distinct sublateral tubercle; the angle at the side behind the middle is very prominent; the surface bears much pale pubescence. *Elytra* shining, definitely and coarsely punctate, and from each puncture there rises a pallid suberect hair; the punctuation is distant and regular; along the side of the wing-case, from the shoulder to the apex, extends a dark mark, and across the surface stretch two transverse irregular fasciæ of dark colour; the anterior one is angulate, and, as it proceeds from the side to the suture, extends forwards, and along the suture extends to the scutellum; the posterior transverse fascia is broad and angulate, and sends a narrow prolongation backwards along the suture to the apex. The *femora* are red, and stout for this genus; the

tibiæ and tarsi yellow; undersurface fuscous-red, with very scanty fine white pubescence. The individual before me is of uncertain sex.

The shorter and stouter femora distinguish this insect strongly from *D. sublineata*; probably it is allied to *D. picta*, Bates, a species I have not seen.

Greymouth. Helms.

2239. **D. quadriguttata**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 440.) *Capite* thoraceque rufis, antennis pedibusque testaceis, elytris pallide testaceis, vitta laterale guttulisque quatuor discoidalibus nigris; corpore subtus plus minusve infuscato.

Long. corp., 11–12mm.

*Head* and *thorax* castaneous or rufescent, with many white hairs, the latter with coarse punctuation along the middle, and just behind the middle, with a slight tuberculation, which is prolonged backwards as a smooth, not raised space not quite reaching the basal margin; on each side of the disc, near the front, there is a more distinct tubercle, the sides behind the middle with an acute tooth. *Scutellum* clothed with pallid scales or hairs. *Elytra* with rather coarse, definite punctuation, becoming a little finer at the apex, and with a scanty pallid pubescence, in front of the middle with two very minute black dots, and behind the middle with a pair of slightly larger dots. The *male* has the antennæ much longer than the body, but in the female they extend only slightly beyond the extremity of the elytra.

This is very closely allied to *D. sublineata*, but is a rather larger insect, with not quite so coarse punctuation on the wing-cases, and with the dark lines reduced to small dots. *D. sublineata* I have not seen from the South Island.

Picton, two males; Greymouth, one female. Helms.

2240. **D. jucunda**, *n.s.* *Variegate*, head and thorax dark-red, elytra and most part of the tibiæ of a pale-straw colour, knees infusate, antennæ and femora red, tarsi and palpi fulvescent.

*Head* broadly but slightly impressed between the antennæ, punctate. *Thorax* about as long as broad, narrowed behind but not in front; disc moderately coarsely punctured, with some much larger punctures on the sides; a smooth central space, widest near the middle, extends from near the base towards the apex, and there are two smooth, obtuse tubercles before the middle; on each side, near the front, there is another similar elevation, and behind the middle a prominent acute tooth; the clothing, like that of the head, consists chiefly of yellow hairs, which are most abundant near the sides. *Scutellum* densely covered with scale-like hairs. *Elytra* gradually attenuated posteriorly, moderately coarsely punctated, the punctures reddish, but becoming paler and finer apically; each elytron with a pale vein-like mark extending from inside the shoulder to beyond the middle, the common lateral vitta is infusate but not at all conspicuous, and there are two small blackish spots, one before and

one behind the middle, of equal size; the pubescence greyish. *Tibiæ* a little arcuate. *Underside* infusate.

Male. *Antennæ* considerably longer than the body, the seventh joint reaching the extremity of the elytra, fourth shorter than the contiguous one, eleventh curvate.

Differs from *D. quadriguttata* in coloration, by the presence of the antero-lateral thoracic tubercles, &c.

Length, 6; breadth,  $1\frac{3}{8}$  lines.

Boatman's. One male, from Mr. A. T. Cavell.

2241. **D. binotata**, *n.s.* *Variegate*, head and thorax dark-red, antennæ and femora paler; elytra fusco-testaceous, darker near the base than behind, their sides with the common fuscous vitta, and with one minute—hardly larger than one of the punctures—dark spot just before the middle of each elytron; tibiæ flavescent, but becoming reddish towards the extremity; underside rufo-castaneous, and, excepting the rugose prosternum, finely sculptured, and rather evenly clothed with long, slender grey hairs.

Closely allied to *D. quadriguttata* and *D. jucunda*, distinguished from both by there being only two dark elytral spots. From the latter it differs by the smaller antero-lateral tubercles, the more reduced impunctate area on the middle of the thorax, and by the fact that the post-median tubercle on each side is directed forwards rather than backwards. The hairs on the head, thorax, and scutellum are quite yellow, those on the wing-cases being paler. The elytra are not attenuated posteriorly, and the punctuation near the apices is coarser than in *D. jucunda*; the vein-like marks are absent; the punctures are scarcely at all rufescent, and are rather closer to one another. The fourth joint of the antennæ is one-third shorter than the contiguous ones, and the tenth just clears the extremity of the body.

♀. Length,  $5\frac{3}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Castle Hill Station, Canterbury. I am indebted to Mr. J. D. Enys for a female specimen.

2242. **D. vittata**, *n.s.* *Coloration* similar to that of *D. binotata*, except as follows: Apical half of tibiæ less rufescent, knees fuscous; clothing paler, quite grey on elytra.

*Thorax* rather elongate, quite 1 line long by  $1\frac{1}{8}$  broad, somewhat oviform, more narrowed behind than in front; antero-lateral tubercles flattened and indistinct, the post-median rather small but acute; the disc with two smooth round elevations before the middle, the space immediately behind them also smooth, or nearly so, the longitudinal linear space on the middle very slightly raised, and almost free from punctuation from base to apex; the dorsal punctures moderately close and coarse, the lateral much coarser. *Elytra* moderately narrowed posteriorly, their punctuation normal, not very obviously reddened; each with a pale vein-like streak extending from inside the shoulder to beyond the middle, and two elongate dark marks or vittæ, the anterior situated before the middle and



three times longer than broad, the other is placed further from the suture, begins in line with the hind thighs, and is twice the length of the first.

Male. *Antennæ* long, fourth joint about one-third shorter than third, fifth one-third longer than third, the seventh joint reaching the extremity of the body.

♂. Length, 6; breadth,  $1\frac{1}{2}$  lines.

Tairua. One example.

Obs.—In my specimens of *D. sublineata* the eighth antennal joint of the male attains the extremity of the body. The dark elytral streaks commence before the middle, where they unite, so as to appear furcate; the pale vein-like marks are present. Beside the two frontal discoidal elevations on the thorax there are two less distinct ones near the base; the longitudinal space (nearly lateral) between these is nearly smooth. If these do not agree with the type in the British Museum they must represent a new species, for which I propose the name *D. ornata*.

## **Æmona,**

*Newman.*

(*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 436.)

Though this is one of the oldest and best known of the New Zealand Longicorns, until recently only one species was recognised. I have for some years been aware that there are several species, though I have not previously been able to understand them; but, as I have now recognised that the peculiar sexual differences in the sculpture of the thorax seen in other genera of the subfamily Cerambycides exist in a marked form in this genus, I am able to arrange satisfactorily the specimens at my disposal. According to this character there are two groups, distinguished by the prosternal sculpture in the male sex; and I may mention that it appears that this is correlative with a well-marked difference in the concealed internal supplementary abdominal segment of this sex: In all the species yet discovered the females have the flanks of the prothorax impunctate, while in the other sex they are punctate.

Sect. 1. Prosternum without true punctuation in the male and female.

2243. *Æ. humilis*, *Newman.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 436.) This species is of slender form, with the elytra a little attenuate behind, the thorax deeply furrowed by transverse rugæ, and, when the pubescence is removed, quite shining; the femora and the scape of the antennæ are infusate externally. The two sexes are extremely similar, but the male has the flanks of the thorax punctate, and the antennæ slightly longer than those of the female. The dorsal plate of the supplementary internal segment is in the former sex infusate at the tip and emarginate; the female has this

supplementary segment replaced by a very short, quadrate, transparent, semi-membranous ovipositor. The length attained is 15mm. to 18mm.

2244. *Æ. villosa*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 437.) The individuals of this are much larger than those of *Æ. hirta*, and it is a broader insect, not attenuate behind; the thorax is not in the least rounded at the sides, but is straight, or becomes just perceptibly broader behind; it is very deeply furrowed transversely; and the femora are red, without infuscation; the length is as much as 27mm. or 28mm.

I have seen only two examples, one sent from Greymouth some time since, and then supposed to be a large example of the preceding species, and an old individual obtained from Murray's collection. These accord with the size and form represented by White as *Isodera villosa*; and there can, I think, be no harm in my retaining the trivial name, though it would only confuse the student if the older authors were cited as the authority for it.

Notwithstanding the great discrepancy from the following, I have a suspicion this may be only the female thereof, in which case the trivial name will be abandoned altogether.

999. *Æ. hirta*, *Fab.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 437.) I have one male of this. Compared with *Æ. humilis*, it is a larger and broader insect, with the elytra not attenuate behind, the femora and scape of the antennæ entirely pallid. The sides of the thorax are a little rounded, the transverse furrows are not quite so deep, and the flanks are opaque, not shining as in *Æ. humilis*, and more finely punctured than in that species. The abdominal structure is the same as in the corresponding sex of *Æ. humilis*; the length is 20mm.

This example was sent me several years ago by Mr. Helms, and considered to be the common species; probably it may be so in the South Island; and it is possible, as already remarked, that *Æ. villosa* may be its female.

2245. *Æ. inæqualis*, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 438.) Ferruginea, griseo-vestita, antennis pedibusque cum tarsis concoloribus; prothorace cylindrico, parum profunde rugoso, nec tuberculato neque transversim plicato.

Long., 13mm.

Comparing the male of this species with that sex of *Æ. plicicollis*, it will be found that, though exceedingly similar, the present species has the sculpture of the pronotum obsolete, while the sexual punctuation on the sides of the thorax is a little coarser and denser. The other characters are the same as in *Æ. plicicollis*, the prosternal punctuation being equally very strongly developed, and the supplementary apical segment of the males similar.

Picton. Helms; two examples.

1000. *Æ. simplicollis*, *Broun.* Dr. Sharp gives a description of the female, and states that "the thorax is just about as broad as it is long; it has no transverse grooves, but at each side near the front there is a slightly-raised, shining, tubercular space, and nearer the middle, nearly in a line with it, a larger rugose elevation; on the middle there is another feeble elevation, becoming linear in front, and on the basal portion some obsolete inequalities."

Christchurch, Wakefield; Picton, Helms. One example from each source.

2246. *Æ. mutica*, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 439.) Angustior, ferruginea, griseo-vestita, antennis pedibusque cum tarsis concoloribus; prothorace cylindrico, fere esculpturato, opaco, tenuiter pubescens.

Long. 11mm.

This is the most slender of the species, and may be readily known by the almost complete absence of thoracic sculpture, the surface being feebly uneven, with an obscure slight carination of the disc. The male has the sides of the thorax a little rounded, but in the female they are straight; the former sex has the flanks of the pronotum punctate, and all the prosternum, except the front, similarly punctate; the supplementary segment is like that of *Æ. plicicollis*.

Picton. Helms; one pair.

Sect. 2. Prosternum punctate in the male sex, impunctate in the female.

2247. *Æ. plicicollis*, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 437.) *Pallide* ferruginea, griseo-vestita, antennis pedibusque cum tarsis concoloribus; prothorace sat profunde transversim ruguloso.

Long., 13mm.

Mas. Prosterno fere undique profunde arguteque punctato.

This species, of which I am acquainted with only a single male, is very distinct, though looking at first sight like a small *Æ. hirta*. The prosternal structure and sculpture is, however, markedly different; in the male sex of *Æ. humilis* and of *Æ. hirta* the prosternum in front of the coxæ is divided by a transverse depression into two parts, the anterior of which is polished, and the posterior traversed by some obsolete wrinkles, the sides of the prothorax being punctate; in the present species the anterior part is very much reduced in size, and the posterior part is entirely covered, like the sides of the thorax, by a coarse deep punctuation. The supplementary concealed anal segment is very different in its form from that of the two species mentioned, the dorsal plate being broad and short, gently rounded behind, not emarginate in the middle. As other characters, it may be mentioned that the thoracic rugæ are not so deep and regular as in the other species of this group, that the sides of the thorax are rounded, and that the legs, including the tarsi, are entirely pale.



Greymouth, Belfrage. I have two female examples from Picton, which I have little doubt pertain to this species, but, as they were not found in the same district, and present some differences, it is advisable to consider the species as established on the male only. These examples are 17mm. or 18mm. long, darker in colour, with the thorax straight at the sides; the prosternum and sides of the thorax without true punctuation.

2248. *Æ. debilis*, n.s. (Sharp; Trans. Roy. Dub. Soc., 1868, p. 439.) *Minor*, angusta, ferruginea, griseo-vestita, antennis pedibusque cum tarsis concoloribus; prothorace angusto, subcylindrico, lateribus leniter curvatis, parce obsoleteque sculpturato, crebrius pubescente.

Long., 10mm.

Rather less elongate than *Æ. mutica*, with a less cylindric thorax, which is more pubescent and has some feeble asperities on the middle; in the male sex the prosternum and the sides of the prothorax are punctate, but less definitely than in the other species of this group, and the punctuation is rendered still more indistinct by the pubescence. Without a careful examination these parts appear impunctate as in the female, but the species cannot be mistaken as belonging to the first group, in consequence of the small size and absence of plication on the thorax.

Picton. Helms; one pair.

### Ophryops.

2249. *O. dispar*, n.s. (Sharp; Trans. Roy. Dub. Soc., 1886, p. 439.) *Elongatus*, angustulus, testaceus, capite antennarum basi, thorace pedibusque ferrugineo-testaceis, antennis articulis tertio quarto quintoque plus minusve fuscis; thorace dense subtilissime punctato punctisque majoribus sparsis parum conspicuis, subopaco utrinque longitudinaliter impresso, media area angusta antice tenuissima polita; elytris, punctis majoribus impressis profundis.

Long., 18mm.

Fem. (?) eadem species: Prothorace nitido fortiter inæqualiter punctato, hic inde subtuberculato.

The *thorax* of the male is very broad, abruptly constricted behind, covered with a dense porous-like punctuation, here and there with larger punctures; on each side there is a peculiar polished space, somewhat depressed, but terminating in front considerably behind the front margin in a very feeble elevation placed somewhat more towards the middle; the medial smooth space extends from front to base, being very slender in front, but dilated on each side at the basal margin. The *scutellum* is impunctate; the *elytra* are equally covered with large punctures, the colour of the punctures being chocolate-red, and along each wing-case there are two or three feeble longitudinal pallid veins.

Greymouth. Helms. *O. pallidus*, Broun (*Man.*, p. 576), is, I have little doubt, this species.

This insect was sent me some years ago, having been captured, I believe, at Maori Creek, by Mr. Lins; and the two examples were sent as being one species, though there appears to be no direct evidence of this beyond the general resemblance between the two. I myself likewise think them one species, though the prothoracic differences are so marked and extreme that they are almost what would be considered of generic importance amongst the allies; and also in the supposed female the longitudinal veins on the wing-cases are not present; it is therefore possible that the supposititious female may not really belong to the species. The genus was established by White, on a single male, closely allied to that which I have described, but considerably larger, and with differences in the prothoracic sculpture; it has since remained unknown to entomologists, its position being somewhat uncertain. Lacordaire is quite in error in supposing (*Gen. Col.*, viii., p. 378) that the eyes present the remarkable form they do in the genus *Bardistus*: that he should have made this mistake is curious, as White gives a figure of the side of the head and eye, which is approximately correct. This at present is all the information I can give about the genus, as the condition of the two examples I have received does not warrant a prolonged examination; but I think there is little doubt it will prove to be closely allied to the New Zealand *Didymocantha*.

2250. *O. nigropictus*, *n.s.* *Elongate*, narrow, subdepressed; nitid, testaceous, head, thorax, legs, and terminal joints of antennæ rufo-testaceous, joints 2-4, and the knees, blackish.

*Head* with a deep narrow frontal channel, on each side of which there is also a punctate depressed space; around the eyes the surface is quite smooth, but elsewhere there are some rather large distant punctures. *Thorax* widest behind the middle, gradually narrowed anteriorly, more abruptly behind; each side with two small prominences; above there are three longitudinal areas having a few large punctures, but shining; the central space, narrow in front, is gradually expanded posteriorly; the others are slightly raised, more so in front; the rest of the surface is dotted with large and distant, and small, closely-placed, punctures. *Scutellum* smooth. *Elytra* rather coarsely punctated, not costate, but each marked with three ivory-like longitudinal veins, the sutural least distinct; the punctures of a chocolate colour.

*Underside* rufo-testaceous; abdomen infusate, feebly sculptured.

Differs from Dr. Sharp's *O. dispar* in having a narrower thorax with two lateral tubercles, the surface much less densely punctured, but with many larger and more evident punctures.

♂. Length, 8; breadth,  $1\frac{3}{4}$  lines.

Clevedon, Southern Wairoa. One example; Mr. G. Munro.

2251. *O. testaceus*, *n.s.* *Testaceous*; front tibiæ darker than the others; basal joint of antennæ rufous, second and third piceous, the remainder more or less infusate.

Male. *Thorax* obsoletely binodose laterally, subopaque, finely and densely punctured; with a smooth dorsal space, depressed behind, and not extending beyond the middle; and, midway between the medial space and each side, there is a curvate space, raised near the front, also smooth; it is suddenly contracted near the base, but gradually narrowed anteriorly. *Elytra* with reddish punctures, but without distinct vein-like marks.

Female. *Thorax* distinctly bituberculate at each side, dorsal space nearly smooth, as are also two irregularly-formed curved spaces, one near each side; the sides closely, the disc coarsely and distantly, punctated. *Elytra* with, on each, two longitudinal vein-like marks, more distinct than in the other sex.

In some respects this species resembles Dr. Sharp's *O. dispar*.

♂. Length,  $9\frac{1}{2}$ ; breadth,  $2\frac{1}{4}$  lines.

Puysseur Point. Mr. Hansen; one of each sex.

2252. *O. lentiginosus*, *n.s.* *Pallid*, head and thorax testaceous, antennæ testaceous but with the basal joint rufo-piceous and the second rufescent, legs pallid, elytra of an ivory-like hue, with many fuscous spots.

*Head* with a fine median groove, and some rather coarse distant punctures, the punctures are finer behind, they are also small but close near the eyes. *Antenna* with much slender elongate pubescence, the seventh joint reaching the extremity of the body, third and fifth nearly equal. *Thorax* slightly longer than broad, almost quite oviform, constricted at the base, gradually narrowed anteriorly, densely ciliated in front; the base, a narrow median space, and an irregular one near each side, almost smooth, but not distinctly raised; the surface elsewhere finely and closely punctured, and also with many dark, coarse, scattered punctures; each side bears two smooth, minute elevations. *Elytra* elongate, glabrous above, densely fringed behind, apices not close together at the suture; rather closely punctured, the punctures smaller and reddish near the base, fuscous and confluent elsewhere, but leaving two smooth, longitudinal lines on the disc, the suture too is smooth.

The vein-like marks, and confused maculation of the wing-cases, are distinctive. *Didymocantha agrotæ*, Bates, should be placed in this genus.

♂. Length, 7; breadth, quite  $1\frac{1}{2}$  lines.

Wellington. Sandager; one mutilated individual.

## Pseudosemnus.

*Nov. gen.*

Allied to *Leptachrous*. *Forehead* short, vertical, nearly concave, with reflexed anterior margins. *Labrum* very transverse. *Palpi* stout; terminal joint of the maxillary elongate securiform and deeply grooved at extremity. *Antennæ* longer than the body in the male; scape clavate, basal six joints almost nodose at apex and ciliated with outstanding hairs. *Pygidium* exposed. *Mentum*



truncate. Front *coxæ* more separated by the well-developed prosternal process; middle *coxæ* rather more deeply imbedded and more distant; hind *coxæ* widely separated; mesosternal process with a deep narrow channel behind.

2253. **P. amabilis**, *n.s.* *Opaque*, dark-chocolate; tarsi and antennæ pale rufo-fuscous, the latter with elongate white hairs on the first six joints; base of femora and the tibiæ often red; base of elytra with six patches of depressed, bright-fulvous hair, the rest of their surface covered with cinereous and white hairs, those of the latter more conspicuous, but very irregularly disposed so as to cause a somewhat marbled or maculate appearance.

*Head* densely punctate-rugose, on some parts almost granulate, but with a smooth space extending from the base to the forehead; antennal tubercles elevated, with a broad deep interval. *Eyes* coarsely faceted, reniform, their greatest bulk below towards the front. *Antennæ* pubescent, basal joint rugose; second very short; third rather longer than the following ones. *Thorax* considerably constricted in front, with a large acute tubercle at each side, two on the disc near the front, and a smaller one on the middle near the base; its surface uneven, and more or less densely but finely granulate. *Scutellum* nearly smooth. *Elytra* elongate, subparallel, apices conjointly broadly rounded; with many irregular shallow depressions, their sculpture similar to that of the thorax but finer.

*Underside* clothed with greyish pubescence.

♂, ♀. Length, 8–11; breadth,  $1\frac{3}{4}$ – $2\frac{1}{2}$  lines.

Wellington. Mr. G. V. Hudson was kind enough to send a pair which he cut out of a matai.

### Xuthodes.

2254. **X. lepidus**, *n.s.* *Shining*; head, thorax, and scutellum red; antennæ and legs castaneo-rufous; elytra testaceous, with three paler, vein-like marks on the dorsum of each elytron, the punctures reddish.

This resembles *X. batesi*, but is much smaller, the eyes are similar in form, and therefore different from those of the typical species. Head and thorax with finer greyish hairs. *Thorax* rather longer than broad, less widened in front, lateral prominences obtuse, disc with three slightly-raised spots, with some large shallow punctures in front, the other punctures distant and shallow. *Elytra* tolerably closely punctured on the basal half, becoming quite remote behind.

*Underside* castaneous, with grey pubescence.

Length, 6; breadth,  $1\frac{3}{4}$  lines.

Forty-mile Bush. One example, minus a leg, from Mr. H. Suter.

### Cacodrotus.

*Nov. gen.*

*Head* nearly vertical in front, and as long as the back part, with a transverse groove at each side at the base of the mandibles;

much rounded behind. *Palpi* short, last joint of maxillary cultri-form. *Eyes* moderately large, widely distant above, moderately finely faceted, truncate behind, deeply notched in front near the inner side, their greatest bulk below. *Antennæ* inserted on obtuse prominences in front of, and in line with, inner margin of eyes, shorter than the body; basal joint stout, elongate, not at all clavate, only very gradually thickened; second very short, joints 3-6 elongate and slender, third longest; 7-10 slightly expanded, a little produced at the outer extremity; eleventh similar to tenth, but with a distinct terminal appendage or false joint. *Thorax* longer than broad, strongly angulated or tuberculate at the middle of each side, with two dorsal prominences in line with the others, appearing as if deeply and widely contracted and depressed before and behind. *Scutellum* large. *Elytra* broader than thorax, parallel-sided; apices obliquely rounded, a little angulated at the suture. *Legs* slender, femora not clavate; tarsi moderately elongate.

*Drotus* and *Calliprason* are its allies. The head is more like that of the latter, but the eyes are quite different.

2255. **C. bifasciatus**, *n.s.* *Body* almost black; *elytra* each with a pale somewhat testaceous, or greyish, oblique fascia extending from behind the shoulder to the suture, and another starting from behind the posterior femora and directed forwards towards the suture; clothed with greyish hairs, and with some elongate slender ones near the sides; legs, antennæ, and palpi, also the trochanters and apex of prosternum, fulvescent.

*Head* closely and rugosely punctured. *Thorax* much elevated across the middle, the two nodosities smooth, superficial sculpture very much like that of the head. *Elytra* moderately closely punctured throughout.

Length,  $4\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Taieri, Otago. Mr. S. W. Fulton was kind enough to send me the only specimen he could find: it is, unfortunately, much mutilated.

### Zorion.

2256. **Z. castum**, *n.s.* *Shining*, greenish-blue; a large median spot near the side of each elytron, and the basal portion of joints 3 to 8 of the antennæ fulvous; base of femora pallid, nearly white; tarsi and palpi fuscous; antennæ, save the shining basal two joints, dark smoky-brown.

*Body* similar in form to *Z. minutum*, but much more slender, bearing very few slender hairs.

*Head* rather small. *Eyes* much smaller, not prominent. *Thorax* longer. *Scutellum* raised above the usual level. *Elytra* widest behind posterior femora, but more narrowed apically than in the typical species, basal elevations well developed. *Pygidium* convex, narrow. *Legs* slender, particularly the tibial portion; *tarsi* elongate, very slender, basal articulation filiform, as long as the following three taken together.

The tarsi alone are distinctive.

♂. Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Elmont. Another of Mr. A. T. Urquhart's discoveries near Stratford.

## Gnomodes.

*Nov. gen.*

*Body* almost glabrous. *Head* nearly vertical in front; the labrum with a straight suture, and, like the epistome, appearing membranous. *Eyes* widely separated above, distinctly faceted, reniform, deeply emarginate, their greatest bulk in front. *Antennæ* implanted just in front of the emargination of the eyes, reaching backwards to the hind thighs, finely pubescent, filiform; basal joint about as long as the third and fourth taken together, gradually thickened; second short, fifth slightly longer than the contiguous ones. *Palpi* with narrow, securiform, terminal joints. *Thorax* cylindrical, longer than broad, quite unarmed, slightly narrowed between the middle and front. *Scutellum* curvilinearly triangular. *Elytra* quite oblong, twice as broad as thorax, declivous behind; apices nearly obliquely truncate but rounded at the suture. *Pygidium* exposed. *Legs* moderately elongate; femora slightly clavate, almost ridged below; tibiæ straight; tarsi with brush-like soles, third joint short, lobate, the basal joint of the posterior longer than the following three. Front *coxæ* contiguous, prominent, situated close to the hind margin of the prosternum. *Mesosternum* short, its process moderately broad. *Metasternum* shorter than the abdomen, convex, with a broad channel behind. Hind *coxæ* a little further apart than the intermediate. Basal segment of *abdomen* curvilinearly triangular between the *coxæ*, 2-4 nearly equal, fifth obtusely prolonged in the middle.

The typical species bears some resemblance to the Indian and Malayan genus *Gnoma*, but, structurally, the two forms are essentially different; it should be placed near *Zorion*, which has differently-shaped eyes, thinner palpi, a shorter head, &c.

2257. **G. piceus**, *n.s.* *Shining*, bearing very few, slender, minute, greyish hairs; piceous, the head and thorax nearly quite black, joints 5-7 of the antennæ slightly testaceous.

*Head* with a broad shallow median depression, minutely and densely sculptured, its punctuation irregular, round on the middle, but transverse behind and near the sides. *Thorax* not twice as long as broad, base and apex nearly truncate, a little wider behind the middle than it is elsewhere, narrower and more constricted near the front than near the base; its sculpture excessively fine, so that the surface would appear smooth if it were not for the presence of some distant transversal punctiform impressions. *Scutellum* smooth. *Elytra* oblong, humeral angles obtuse; they are irregularly punctate-striate; with costiform interstices, the two external costæ uniting, extending towards, but not reaching, the shoulder; in line with the hind thighs there are six distinctly-punctured striæ, on the posterior declivity these become confused and less distinct, and cease altogether at the extremity; near the base are irregular scutellar series



of small punctures, the surface there is transversely rugose and the interstices become flattened; the vertical sides are punctate-striate, and the interstices are more or less raised. *Tibiæ* with fine fuscous hairs, the posterior longer than the others; third tarsal joint cleft almost to its base; claws much bent.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Wellington. Mr. G. V. Hudson gave me the only specimen he could find. It was taken off the trunk of a tree at Karori.

### Gastrosarus.

2258. *G. urbanus*, *n.s.* *Nitid*, head and thorax nigro-violaceous; elytra fusco-testaceous at base, gradually becoming rufo-violaceous behind; antennæ (except shining punctate basal two joints) infusate-black, very opaque, densely covered with minute ash-coloured hairs; legs chestnut-red, tibiæ infusate towards the extremity, tarsi fuscous; palpi reddish.

*Head* as broad in line with the eyes as the widest part of thorax, very finely punctured. *Thorax* longer than broad, widest behind the middle, where the sides are obtusely dilated, between that point and the base a second smaller swollen spot is situated more on the upper surface, and a third in front of the middle one; it is a good deal narrowed behind, and deeply but not widely constricted near the basal margin; towards the front it is more gradually narrowed, but more constricted; disc uneven, with a transverse fovea-like depression near the base at the middle, and two obsolete elevations near the middle; it is finely punctured, and clothed with fine, decumbent, ash-coloured hairs, and with some scattered long erect ones. *Scutellum* broad, blackish. *Elytra* wider than thorax at base, gradually attenuated posteriorly, so that they are only half the breadth of the basal portion at the extremity, apices subtruncate, but acutely spinose at the suture, and with the external angle obtusely produced; there is a long shallow depression on each elytron, the punctures are distinct but less numerous behind. *Underside* nigro-violaceous. *Legs* with fine erect hairs, two front pairs short, posterior very long with curvate tibiæ.

This seems quite different from the typical species; the coloration, and punctuation of the head, are dissimilar.

♂. Length,  $4\frac{1}{2}$  lines; breadth, 1 line.

I caught a male specimen on a tree in my orchard at Karaka, near Drury. Fem. incog.

2259. *G. lautus*, *n.s.* *Glossy*, head and thorax violaceo-rufous; scutellum dark; elytra testaceous, but, at the extremity, tinged with violaceous; legs rufo-fulvous; antennæ black, opaque, first two joints shining, somewhat violaceous; abdomen in colour similar to the legs, the sternum more violaceous.

I think I am right in regarding this as distinct from *G. nigricollis*. The head is very finely and not coarsely punctured. The thorax is quite as broad as the head, uneven above, finely punc-

tured, depressed near base and apex, each side with three obtuse inequalities. *Elytra* one-third narrower behind than at base, moderately punctured, fewer punctures behind, apices a little produced at the suture, truncate.

*Clothing* and legs similar to *G. urbanus*; it is not the female of that species, however, nor do I think it can be *G. nigricollis*. The apical ventral segment is similarly formed.

♀. Length,  $4\frac{1}{2}$  lines; breadth, 1 line.

Mount Arthur. One female, found by T. F. Cheeseman and J. Adams.

2260. ***G. picticornis***, *n.s.* *Body* elongate, shining, sparsely clothed with erect, slender hairs; head, thorax, posterior portion of wing-cases, and sternum dark-violaceous; basal portion of elytra testaceous; legs fulvous, femora more rufescent; two basal articulations of antennæ dark-blue, punctate, and shining, joints 3-7 quite opaque, black, eighth and ninth paler, tenth and eleventh pale-yellow. Abdomen fulvous.

Male. *Antennæ* longer than body, scape shorter than third or fourth joints. *Thorax* longer than broad, angularly dilated laterally and bearing four obtuse, but not prominent, discoidal elevations. *Elytra* distinctly punctured but not so deeply behind, their apices almost semicircularly excised.

Female. *Antennæ* three-fourths the length of the body, not so stout as those of the other sex but similarly coloured. *Thorax* rhomboidal.

I have pointed out the characters which seem to differentiate the pair I have seen from the typical form, and, although I have applied the name *G. picticornis*, I feel doubtful as to whether the insect will prove to be a valid species. I possess one female which agrees with Bates's description; in it the antennæ are quite black and dull.

Length,  $4\frac{3}{4}$  lines; breadth, 1 line.

Mr. G. V. Hudson was kind enough to present me with the male, which was found at Wakapuaka, Nelson; the female was caught at Karori, Wellington.

### **Navomorpha** (Gen., p. 589).

2261. ***N. sticticum***, *n.s.* *Shining*, more or less violaceous, sides of elytra towards the extremity ferruginous, tibiæ red, the clothing whitish.

*Head*, thorax, and antennæ of normal form. *Elytra* broader than thorax, shoulders not prominent, sides almost parallel to beyond the hind thighs, from thence gradually but not greatly narrowed, apices individually rounded; each elytron with a broad sutural channel beginning in line with the middle thighs and attaining the apex, filled with whitish hairs so disposed as to cause a spotted appearance behind; beyond there are two broad, depressed, longitudinal areas indistinctly separated lengthwise by a smooth

space which does not reach the base, these depressed areas consist of large, irregular cavities filled with pubescence, the intervals between these cavities are nude and nearly on a level with the other glabrous parts, the pubescence therefore is quite maculated from base to apex; some of the depressions become quite elongate or striate on approaching the extremity; just on the outer edge of the dorsum another broad, smooth space extends from the base towards the apex, the deflexed sides being covered with pubescent cavities. The sides of the thorax are also spotted, but I fail to detect more than two or three large punctiform impressions. In *N. lineatum* the spaces between the outer and inner pubescent areas bear numerous small but distinct punctures. Apical ventral segment exposed and punctate.

*Underside* dark-violaceous, partially covered with spotted pubescence.

This elegant species, as regards form and structure, is allied to *N. lineatum*; it is, however, rather larger, and the hind-body, instead of being gradually attenuated posteriorly, is almost parallel-sided.

Length,  $8\frac{3}{4}$ ; breadth,  $2\frac{3}{4}$  lines.

The discovery of this fine insect is due to Mr. George Munro, of Southern Wairoa (Clevedon).

## Anencyrus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 441.)

*Corpus* parum elongatum, minus pubescens, thorace elytrisq; inæqualibus, illo lateribus haud spinosis, his abdomine paulo brevioribus: *antennæ* (feminæ?) corpore breviores, filiformes. *Caput* breve, frons verticalis sat elongata. *Oculi* laterales, supra distantes, magni, subtiliter granulati. *Coxæ* anteriores globosæ, acetabulis a prosterno bene separatis, posterius apertis, externe parum prolongatis, trochantinis conspicuis. *Elytra* apicem versus angustata, apicibus oblique truncatis. *Metasternum* convexum, sat elongatum, episternis latis. *Abdomen* normale, segmento basale secundo longiore, sequentibus inter se subæqualibus. *Pedes* modice elongati, femora basi tenue; tarsi posteriores articulo basale sequentibus duobus simul sumptis æquale, vix longiore.

This is another genus which seems to have no near ally, and which it would be very difficult to place in Lacordaire's arrangement. In the New Zealand list it will go next to *Gastrosarus*, to which, however, it is by no means closely allied, being different in form and sculpture, having the front coxal cavities with a broad aperture, externally displaying the trochantin, while internally they are separated by a well-marked convex process of the prosternum; the front of the head, too, is elongated, instead of displaying the remarkable abbreviation of *Gastrosarus*.

2262. **A. discedens**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 441.) *Rufus*, femorum basi, elytrorumque costis abbreviatis ad



basin et ad latera pallide flavis; *thorace* impunctato, brevissime flavo-pubescente, disco obtuse trinodoso; *elytris* fortiter irregulariter punctatis.

Long., 11mm.

*Antennæ* slender, not quite reaching extremity of body; third, fourth, and fifth joints with a few rather long hairs beneath; the fourth rather shorter than the third or fifth, which are about equal. *Eyes* convex, but little distant from the *thorax*. This latter is rather broader than long, with a very large but obtuse prominence on each side of the middle, and between them, just behind the middle, with a smaller prominence: these protuberances are polished and shining, the rest of the surface being covered with a very delicate minute pubescence; this is of a pallid colour, the thorax itself being of a darker, more vinous red than the rest of the surface. The *elytra* are peculiar, both in form and sculpture; their basal portion is flattened, but bears a short longitudinal elevation near the suture, and from near the shoulder there extends backwards a fold or plication, which, on the middle of the length, is very abruptly defined and costiform, and then ceases, there being external to it at the middle of the *elytra*, close to the side, a shorter abrupt costa; these costæ are pallidly flavescent, the rest of the surface being of a tawny-red colour; the *elytra* are evidently narrowed behind, and leave the terminal segment exposed; the apices not at all spinose; they have a peculiar rough irregular sculpture, which is not true punctuation, and is not present on the costæ; they have a few short feeble hairs, most distinct at the apex.

Picton. Helms; one mutilated example of quite uncertain sex.

## Ceralomus.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 442.)

*Corpus* parvum, tomento subtilissime vestitum. Caput exsertum, fronte minus elongato, abrupte perpendiculare; *oculi* omnino divisi, supra valde distantes, a *thorace* remoti. *Antennæ* corpore longiores, sat tenues, simplices, articulis 3-6 apicibus subnodosis. *Thorax* lateribus obtuse angulatis. *Coxæ* anteriores haud prominulæ, parum transversæ, acetabulæ extus latissime apertæ, trochantinis maximis; inter se parum distantes. Acetabula intermedia extus late aperta; *metasternum* elongatum, episternis modice latis.

This is another genus, apparently without any ally, to be placed in the New Zealand list near *Calliprason*, to which, however, it is only very distantly allied; the facies is rather that of the *Lamiidæ*, such as *Hybolasius* or *Tetrorea sellata*, and I had no idea until I investigated it that it would prove a *Cerambycid*, though really its structures are quite normally *Cerambycid*; the *antennæ* are inserted on the summit of the depressed head, far from the mandibles; the *eyes* are so deeply emarginate that they are practically divided into two parts, of which the superior is much smaller than the inferior; they are placed far from the front margin of the thorax, and are finely

facetted; the front coxal cavities are open behind, the *mesosternum* being very approximate to them; a short process, broad in front, imperfectly divides them, and they project only slightly beyond it; the middle coxæ are widely separated; the *femora* have the basal half much more slender than the outer, the division between the two parts not abrupt; the *tibiæ* are very slender, and the basal joint of the hind tarsus is elongate, longer than the two following together; the *hind-body* is normal, its five segments subequal in length.

2263. **C. morosus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 442.) *Niger*, subolivescens, opacus, pube argentea subvariegatus, pedibus fuscis, tarsis antennisque testaceis, his articulis versus apices nigricantibus; *elytris* haud punctatis, omnium subtilissime rugulosis.

Long.,  $7\frac{1}{2}$  mm.

*Antennæ* with the first six joints sparingly armed with erect hairs beneath, scape rather long, but little thicker at the apex than at the base, each of these joints (except the basal and second) swollen at the apex, and with the incrassate part black: *thorax* as long as broad, each side with a large angular prominence, and the disc between these with two large obsolete elevations, the surface only minutely sculptured, with a small spot on the middle; between the prominences smooth: *elytra* slender, even, dull olivaceous-black, marbled with a minute silvery pubescence, which itself is encroached on by small bare spaces; apices singly rounded: *femora* piceous, but little paler at the base; *tibiæ* sordid-testaceous, with a few long erect hairs; *tarsi* rather more dilute.

Greymouth. Helms; a single example, in very bad preservation.

## Group—LAMIIDÆ.

### Xylotoles.

2264. **X. huttoni**, *n.s.* (Sharp; *Trans. Ent. Soc.*, Part i., 1882, p. 93.) *Parum* elongatus, posterius attenuatus, corpore toto cum antennis pedibusque dense tomentoso; pedibus parum elongatis, dense vestitis, femoribus basi superne nudo rufescente; antennis variegatis.

Long., 7 mm.

*Head* very short; antennal tubercles, placed quite on its upper part, prominent; granulation of eyes very coarse. *Thorax* with a transverse depression behind the front, and another at an equal distance before the base; from the middle of the anterior depression there extends a depression backwards, on each side of which the surface is rather more elevated, and is densely tomentose with pale-grey pubescence, the rest of the surface being covered with darker, but mottled, pubescence; at each side about the middle there is a prominent speck of pure-white pubescence. *Elytra* not prolonged, but broadly dehiscent at apex, densely clothed with dark tomentum, which is, however, speckled and mottled, and bears some small but

prominent tufts. *Legs* and tarsi very densely clothed. *Antennæ* mottled with greyish spots; the base of each of joints 4-11 yellowish. *Undersurface* densely clothed everywhere with fine pubescence.

This aberrant *Xylotoles* tends to connect *Xylotoles* and *Tetrorea*; although very different, owing to its clothing, from the other species, I do not see any characters that necessitate at present its generic isolation, unless the coarser granulation of the eyes and shorter head be considered such.

I received a single individual from Professor Hutton, after whom I have named it, some years ago (1877). It was found by him in Otago.

2265. **X. gaudens**, *n.s.* *Elongate*, subdepressed, moderately shining, variegate; femora pale-chestnut or fulvescent, tibiæ greenish, the front pair darker and more spotted with fuscous; antennæ much variegated, joints 2-6 nearly similar to the thighs in colour, with brownish spots, the first fuscous, but with pallid marks caused by the pubescence, 7-11 viridescent or fuscous, paler at the base.

*Thorax* broader than long, obtusely prominent at each side behind the middle, much narrowed behind; there is a distinct transverse depression near the front, and a much larger one behind the middle, with a more or less evident longitudinal one between them, so that there appear to be two small central, obtuse prominences; the surface is densely and minutely sculptured, and, near the base, finely transversely strigose; the colour, like that of the head, is a dark bronzed brown; it is sparingly clothed with short, but not slender, pallid hairs. *Elytra* with a dense, minute sculpture, and numerous distinct punctures, these are not regularly distributed, and are not continued to the extremity; the two basal prominences are moderate but not acute, in line with each of these there is an elongate but small crest, and about midway between the latter and the apex there is a curvate patch of yellow pubescence separated from its fellow by the broad suture; the clothing is not dense, mostly yellowish, rather short, often forming small spots, notably along the suture; they are broadly depressed before the middle, with a strongly-curved linear impression extending from near each shoulder to the suture; in front of this curvature the colour is like that of the thorax, behind it it is somewhat rufo-castaneous as far as the hind thighs, the apical portion is infusate but variegate. *Antennæ* elongate, eighth joint attaining the extremity, first clavate, the fourth quite one-third longer than the third.

This species has given me a great deal of trouble. It should, I think, be placed beside *X. huttoni*. The *head* is very short, with a deep median channel, so that the tubercles, which are situated on the upper part, seem rather large. The *elytra* are gradually attenuated and dehiscent. It is as much allied to *Tetrorea*, and the elongate depressed species of *Hybolasius*, as it is to *Xylotoles*. No. 1078 is another near ally.

Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Mokohinou. Sandager; one male.



2266. **X. germanus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 443.) *X. nano* proxime affinis, sed *antennis* tenuioribus, articulo tertio quarto evidentè longiore facile distinguendus. *Parvus*, fusco-testaceo-cupreus, pube grisea vestitus, elytris plus minusve fusco-variegatis; pedibus antennisque testaceis, his articulis apice fuscescente, illis femoribus extrorsum fuscis.

Long.,  $3\frac{1}{2}$ – $4\frac{1}{2}$  mm.

Though very similar to the smaller examples of *X. nanus*, I have no doubt this is distinct, as, in addition to the structure of the *antennæ* mentioned above, it exhibits other differences, being of shorter form, with shorter thorax and metasternum. Like *X. nanus*, it varies a good deal in colour.

Dunedin. Professor Hutton; a small series of examples.

2267. **X. fasciatus**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 443.) *Minimus*, niger, subænescens, pube grisea variegatus, *elytris* post medium fascia conspicua pallida, *tibiis* testaceo-annulatis, *antennis* fuscis, articulis basi testaceo.

Long., 3 mm.

This, the smallest species of the genus, is very distinct from *X. germanus*, the elytra having the minute punctuation more sparing and distinct. The *antennæ* are slender, with the third joint much longer than the fourth. The *thorax* is cylindrical, elongate. The *elytra* are very slender, with curved sides, a fine sutural stria, a few coarse punctures at the base, with a well-marked pallid fascia some distance before the apex, and a very minute pallid pubescence irregularly distributed on the basal part.

Bealey. Helms; a single example.

### Stenellipsis.

2268. **S. cuneata**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 443.) *Minus* elongata, elytris ad apicem attenuatis; nigricans, supra fusco-rufa, tenuiter griseo-vestita, *elytris* ad latera ante medium vage ochraceo-plagiatis, ultra medium vage angulariter griseo-fasciatis.

Long., 7 mm.

*Antennæ* reaching to the extremity of the body, the joints a little infusate towards their apices, from the base to the sixth joint feebly ciliate beneath. *Thorax* with the sides rounded, feebly constricted in front and behind, densely and finely punctate, obscure-reddish in colour, evenly covered with fine griseous pubescence. *Elytra* only a little broader than the thorax, but with prominent shoulders, similar in colour to the thorax, but unevenly pubescent, there being a nearly-denuded space in front of the middle, so as to cause an angular faint fascia, limited in front at the sides by pubescence of a more ochraceous colour, the posterior angular fascia still more faint; there is a sutural stria not reaching the front, and numerous coarse punctures on the basal portion. *Femora* much inflated.

This species, on account of its shorter legs and antennæ and acuminate elytra, approaches rather closely to *Xylotoles*; but the sculpture and facies are more those of the genus in which I place it.

Picton. Helms; a small series of examples.

### Somatidia.

2269. **S. grandis**, *n.s.* *Robust*, moderately elongate, convex; opaque, piceous, covered with decumbent yellowish-brown hairs, but the clothing of the blackish sides and the common apical mark of the hind-body cinereous and less conspicuous.

*Antennæ* stout, fusco-rufous, maculate, hairy, basal portion of joints 3–11 paler; third joint much longer than fourth. *Thorax* transversal, widest at the middle, thinly yet distinctly punctated. *Elytra* ovate, bearing a few large punctures near the base, those behind much smaller and more distant; each elytron bears two minute black crests. *Legs* stout, elongate, variegated in the usual manner.

There are no long hairs on the body, which is, moreover, free from inequalities of surface, the back part of the head is impunctate, the hind-body is rather long, and the shoulders are broader than the base of the thorax.

There are only two species like the present one, *S. antarctica* and *S. longipes*; from the former it differs in having a narrower and more remotely punctured thorax and with few punctures on the wing-cases; from the latter it may be at once distinguished by the elytral crests. It is the largest species that has been found as yet.

♀. Length,  $4\frac{1}{2}$ ; breadth,  $1\frac{3}{4}$  lines.

Mr. G. V. Hudson. Karori, near Wellington, under a log.

OBS.—The species of *Somatidia* are divisible into two sections. In the first, consisting of Nos. 1048, 1049, 1052, 1054, and *S. grandis*, the shoulders of the elytra, though rounded, are distinctly broader than the base of the thorax; whilst the second section comprises those in which the thorax and hind-body are more or less gradually, but quite evidently, narrowed towards each other.

2270. **S. helmsi**, *n.s.* (*Sharp*; *Trans. Ent. Soc.*, 1882, Part i., p. 93.) *Parum* convexa, elytris dilatatis, ad apicem attenuatis; *thorace* parvo, ferrugineo, ad latera nigricante, utrinque tuberculo parvo; *elytris* nigro-fuscis, ad basin plaga maxima communi pallide ochracea.

Long.,  $4\frac{1}{2}$ mm.

This curious insect, with very sharply defined *coloration*, has the body but little clothed with down, the variegation being caused by tinting of the chitinous substance. The *thorax* is reddish, with the sides darker, the lateral portions coarsely and closely punctured, the middle less distinctly; at each side behind the middle is a small but prominent tubercle, and on the disc, just in front of the middle, are two obscure elevations. *Elytra* narrowed at the base and apex, the

greatest width in front of the middle, of a blackish colour, but with a very large and extremely sharply defined pale basal portion. The surface bears numerous coarse but not deep punctures; on the middle of the pale colour there are four obscure elevations, and on the line of junction of the two colours are four other elevations, two on each side like the anterior set, the external being more indistinct than the internal; the dark posterior portion bears also two small elevations, one in front of the other, on each wing-case. The *femora* are rather pale at the base, dark at the extremity; the *tibiæ* are dark at the base, then show a broad pale ring, and their extremity is also pale, as are likewise the tarsi.

I have much pleasure in naming this interesting little insect after its discoverer.

Greymouth. Found by Mr. Helms.

2271. **S. spinicolle**, *n.s.* *Shining*, cupreo-fuscous; head and thorax reddish; legs and antennæ chestnut-red, the latter unspotted, *tibiæ* more or less testaceous.

Differs from *S. ptinoides*, its nearest ally, as follows: *Thorax* broader at the middle, more narrowed behind, yet more rotundate, with a small spiniform tubercle at each side behind the middle directed upwards rather than outwards, the punctures coarser and more distant, so that the interstices are larger and smooth. *Elytra* more elongate, widest before the middle, disc reddish and glabrous at the middle, clothed with distinct, bright-yellow, decumbent hairs, which do not assume any well-marked pattern; there are few punctures, these are serial, and there are a few near the apices. *Antennæ* with large oval basal joint; third very long, about the length of the next four short joints taken together. The *body* is much more elongate, quite as convex, and the *elytra* are narrowed to the width of the thorax at the base.

Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Taieri. Mr. S. W. Fulton.

2272. **S. costifer**, *n.s.* *Robust*, uneven, variegate.

*Head* quite vertical in front, distinctly but not very closely punctured; behind concave, deep-black, opaque, densely covered with black pubescence. *Thorax* rather broader than long; the sides regularly rounded, the middle consequently widest, piceous; disc reddish, with two slightly-raised, smooth, blackish spots; punctuation distinct, closer behind the middle than in front, frontal interstices sometimes rather large; pubescence fine, a bright-yellow elongate mark in front of the scutellum, the rest greyish and cinereous, nearly nude in front. *Antennæ* obscure-reddish, joints 2-4 hardly maculate, 5-10 fuscous for about two-thirds the length, terminal testaceous; fourth longer than fifth, shorter than third. *Scutellum* large, yellowish-grey. *Elytra* widest near the middle, oviform, not narrow, slightly wider than thorax at base, rather abruptly deflexed behind; suture somewhat raised and bent at the base, the elevation continued backwards to near the middle, where it is broader, and



there bears a small yellow crest; between the suture and this raised part the punctures are coarse and serial; there is a similar elevation at the shoulder, also with a yellow tuft, but not extending as far back as the other; there are besides a small yellow spot near each middle thigh, and another on top of hind slope; the punctuation very coarse near the base and along the sides, shallow near the hind declivity, and, though coarse, not close together; pubescence very fine, greyish, but more or less maculate behind. *Femora* clavate, base reddish, the rest piceous, pubescence greyish; *tibiæ* and *tarsi* yellow, the base and a spot half-way down (*tibiæ*) fuscous.

*Fem.* Thorax transverse, densely punctured throughout, elytral elevations less distinct.

Closely allied to No. 1052, a male, elevations on elytra similar; thorax narrow, densely punctate.

♂. Length,  $3\frac{1}{4}$ ; breadth,  $1\frac{3}{8}$  lines.

Howick, one male; Tairua (1884), one female.

2273. **S. variegata**, *n.s.* *Shining*, rather pale coppery-brown; densely covered with short greyish-yellow and fine ash-coloured hairs, the former cover most of the thorax, form a broad irregular fascia near the middle of elytra, and a curved much-interrupted one just below the top of hind slope, the sides of which bear similar pubescence.

*Thorax* rather broader than long, its sides regularly curved, but not strongly, so that the base is but little narrowed, punctures moderately coarse but distant. *Scutellum* broad. *Elytra* elongate-oval, not very convex, of the same width as thorax at the base; each with a slight, almost obsolete costa midway between the shoulder and suture, extending to top of hind slope; there are few punctures, all widely separated. *Antennæ* nearly as long as the body, fourth joint nearly one-third longer than fifth, shorter than third; basal joint covered with yellowish pubescence; the others infuscate-red, 5-9 pallid at base. *Legs* (except fuscous spot near top of *tibiæ*) yellowish, base of femora rufescent.

*S. terrestre* is undoubtedly the most similar species; this, however, is broader, the thorax is shorter, the body less medially contracted, differently sculptured and coloured. It is the only species with a yellow basal joint of the antennæ.

Except Nos. 1048 and 1051, the species of this genus are extremely rare, so that there is usually great difficulty in determining the sexes.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{5}{8}$  lines.

Parua, near Whangarei Harbour. One example.

2274. **S. simplex**, *n.s.* *Subopaque*, castaneo-fuscous, densely covered with very fine, decumbent, tawny or pale-brown pubescence; legs somewhat testaceous, the base of the *tibiæ*, and about half of each thigh, more or less fuscous; the extremity of the antennal joints but little darker than other portions; palpi yellowish.

In form very much like *S. antarctica* but rather narrower, the

*thorax*, however, is more strongly rounded and narrower, and more distantly punctured. The *elytra* are similarly marked, but have only about half as many punctures, these are almost entirely confined to the basal portion, the crests between the posterior femora are small but distinct, the two before the middle are quite obsolete. The *head* is a little more elongated in front, and the punctures visible in *S. antarctica* are almost altogether absent. The *antennæ* are slightly longer than the body, the third joint is about one-fourth longer than the following one.

♂. Length,  $2\frac{3}{4}$  lines; breadth, 1 line.

Moeraki. I am indebted to Mr. Sandager for my specimen.

2275. **S. signata**, *n.s.* *Body* nearly black, densely covered with dark and yellowish, moderately coarse, depressed hairs, and numerous erect setæ or hairs; the yellowish hairs cover most of the thoracic disc, and on the *elytra* form a broad space across the middle, which mark is prolonged at the suture to the base, on either side of the hind slope there is another yellowish patch; the legs also variegate, the tarsi and the larger portion of each tibia testaceous.

*Antennæ* stout, reaching beyond the hind thighs, obscure-reddish, tipped with black; basal joint very thick and densely pubescent, third quite twice the length of the fourth or fifth. *Thorax* broadest before the middle, much narrowed behind, with a denticle on each side just behind the middle; its punctuation moderately close and coarse. *Elytra* widest just before the middle, much narrower near the base, more gradually behind; their punctures rather distant, concealed or altogether absent on some parts, small but distinct behind.

One of the *S. ptinoides* section, most nearly related to *S. spinicollis*. In one example sent for examination and returned to Mr. Sandager the coloration is better defined. The black forms a fascia behind the posterior femora with an apical prolongation along the suture, and a large humeral area which is furcate behind, extending obliquely downwards along the side and also towards the suture; the thorax, too, is nearly all blackish.

Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Moeraki. Mr. Sandager forwarded two specimens.

### 'Tetrorea.

2276. **T. longipennis**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 445.) *Angustula*, nigra, supra olivaceo-nigra, elytris pube pallida ornatis, pedibus antennisque rufescentibus, griseo-vestitis, fusco-maculatis; *thorace* ad latera obtuse tuberculato, disco fortiter punctato, obsolete bituberculato.

Long., 10mm.

I have seen only a single example of this insect; though similar to *T. sellata* it is much smaller, and is readily distinguished by the large extent of the pale patch of the wing-cases; this extends backwards beyond the middle, becoming attenuate behind, and then ex-

panding again, and ceasing a little before the apex. The *thorax* has but little pubescence, and is armed at the side with only a short obtuse angular prominence, and there are numerous coarse, deep punctures on the middle, and two slight prominences. The *elytra* have a very obscure elevation of the surface on each side near the base; they possess numerous deep punctures on the basal portion; these extend backwards along the sides nearly to the extremity; behind the termination of the pale portion there is a minute elevation, covered with dense black velvety pile; the posterior part of the pale colour is defined in front by a minute line of black pile, and there is an obscure obtuse elevation behind the middle, near the suture. The slender basal portion of the *femur*, unlike the other parts, is not maculate.

Greymouth. Helms.

2277. **T. sellata**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 95.) *Sat elongata fere gracilis, nigricans, pube variegata vestita, elytris ante medium plaga pallidiore oblique descendente, pedibus articulisque 1-4 antennarum maculatis, harum articulis 5-10 nigro-fuscis, singulo ad basin late pallide-annulato; elytris utrinque pone scutellum tuberculo parum elevato, singulo ad apicem rotundato; antennis pedibusque fere gracilibus.*

Long., 11-12mm.

*Eyes* comparatively little separated on the vertex. *Thorax* with large lateral prominence, and with broad tubercle on each side of the middle. *Scutellum* clothed with black pile. Each *wing-case* has an obscure elevation near the base, and numerous large punctures about the scutellum; the lateral portions are also a good deal punctate; the surface is variegate with obscurely-coloured down, and there is a patch of pale colour descending obliquely from behind the shoulder, and meeting its fellow of the opposite side just in front of the middle. The *legs* are rather slender, and bear only a few erect white setæ.

Greymouth. Helms.

This departs from the typical species by the form of the apices of the *elytra*, and by the *eyes* being less separated on the vertex, but it cannot with advantage be separated at present as a distinct genus, especially as it bears a great general resemblance to *T. discedens*. The colour of the down on the scutellum, independently of more important characters, permits it to be distinguished at a glance from *T. discedens*.

1440. **T. discedens**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 95.) *Pube variegata, ex parte majore fusco-olivacea, vestita, elytris pone basin plaga magna communi pallidiore, antennis pedibusque conspicue maculatis, abdomine utrinque flavo-maculato; prothorace in medio plaga nuda, nitida; elytris utrinque pone scutellum tuberculo elevato, etiam ad medium et ante apicem penicilla parva instructis.*

Long., 11-13mm.



*Antennæ* reaching slightly beyond the extremity of the body, very distinctly maculate, the basal joints more or less ferruginous. *Thorax* with an angular prominence on each side, with a small shining space on the middle of the disc, and in front of this, on each side, a not very distinct tubercle. *Scutellum* clothed with ochreous scales along the margin. *Elytra* not prolonged at the apex, but distinctly dehiscent there, the apex of each not rounded, but rather obscurely and a little obliquely truncate. *Tibiæ* sparingly clothed with fine setæ.

One individual, which I believe to be a male, is larger and more robustly formed, and has the legs thicker, and the tibiæ more setose. The colour is variable, the large common patch on the elytra being sometimes white, in other cases only a little paler than the general colour.

Otago, Professor Hutton; Greymouth, Helms.

### Mesolamia.

*Nov. gen.*

(Sharp; *Trans. Ent. Soc.*, 1882, p. 96.)

*Corpus* sat robustum, subtile tomentosum. *Caput* facie perpendiculari brevissima. *Oculi* mediocriter granulati. *Antennæ* (feminæ?) corpore breviores, sat robustæ, articulo basali parum elongato et parum dilatato, quam tertio paulo brevior. *Thorax* ad latera angulatus. *Elytra* apicibus rotundatis. *Cetera* fere ut in *Tetrorea*.

The insect for which I have established this genus has given me some trouble on account of its want of special resemblance to any other of the New Zealand Lamiides, while at the same time it possesses no striking peculiarities of its own. It is perhaps nearest to *Tetrorea*, from which it differs by the more finely faceted eyes, as well as by the different form and peculiar head. This last character renders the genus of special interest, for the shape of the head only exhibits the *Lamia* characteristics in a comparatively imperfect manner. The perpendicular part of the head is quite short, and is not abruptly differentiated from the vertex, the middle portion in fact passing quite gradually into the plane of the vertex; both the vertex and front are canaliculate along the middle, and a fine transverse suture can be detected in front of the eyes. The anterior coxal cavities have externally a small transverse fissure. The external structure of the middle cavities is not easily seen without dissection, the surface there being uneven in consequence of the large size of the globose coxæ; but it appears to me the side wing of the mesosternum does not quite meet the metasternum. As the general structure of the undersurface is not very different from that of *Tetrorea*, it may be placed next to that form.

2278. **M. marmorata**, n.s. (Sharp; *Trans. Ent. Soc.*, 1882, p. 97.) *Fusco-rufa*, pube flavescenti subtili dense vestita, maculis fusco-rufis adspersa; elytris parum inæqualibus, singulo ad apicem rotundato.

Long., 9–12mm.

21—PT. V.

The *surface* is apparently of a dark or obscure-red colour, closely covered with a fine, closely-adpressed, yellow pile, but in parts this pile is replaced by a pile of a darker colour, thus giving rise to a maculated appearance, most of the spots being of small size and round in shape. The *antennæ* are rather stout, and are not hispid; each joint bears rather scanty pale pile on the basal portion, and this therefore appears paler than the apical part of each joint. The *vertex* is deeply channelled, and between the antennæ there is a rather deep depression, which is continued on the front of the head as a fine channel. The *thorax* is narrower than the elytra, and is not so long as broad; on each side it is much dilated to form a large angular prominence; the surface is not at all tuberculate, only a little uneven, and bears numerous small spots of the kind already described. The surface of each *elytron* is elevated near the base on each side of the scutellum, and there is also on the middle of each an obscure longitudinal folding or elevation; there is a large, irregular, curved, dark mark on each, as well as numerous small spots. The rather stout, short *legs* are destitute of setæ, but are clothed with fine pile; the femora are a little maculate, and there is a dark mark on each tibia below the middle.

The female has the apical ventral segment very largely impressed, and at each side bears elongate pubescence, which projects towards the middle, and so much conceals the depression. The male is unknown.

Two specimens of this species were sent from Dunedin by Professor Hutton in 1877.

2279. *M. ærata*, *n.s.* *Shining*, bronzed-brown; tibiæ and antennæ obscure fusco-rufous, base of joints 3–11 of the latter greyish; tibiæ near the extremity fringed with short black hairs; tarsi with grey and black pubescence in distinct patches; base of femora paler than the darker maculate portion; body clothed with very fine ash-coloured and coarser grey hairs, these latter causing the spotted appearance of the elytra.

*Head* with a few coarse punctures behind, its short frontal portion more abruptly vertical than appears to be the case in *M. marmoratus*, judging by the description only. *Thorax* broader than long, sides tuberculate at the middle, more slightly constricted in front than behind; surface uneven, densely, irregularly, and finely rugose, not distinctly punctured, and not in the least maculate, the pubescence being thin and uniformly distributed. *Elytra*, at base, a little broader than middle of thorax, slightly and gradually narrowed backwards; beyond the scutellum there is a broad, elongate, obtuse elevation on each elytron; outside this a long curvate depression extends from the shoulder to the suture a little way behind the middle femur; there is also a longitudinal elevation (not a carina) beginning behind the shoulder but not reaching the apex, the side outside this being flattened or depressed; there are very few punctures near the base, and, apparently, none at all behind; the grey hairs produce a spotted appearance behind, form a sort of

broad, interrupted, maculate fascia behind the posterior femora, but on the basal half they are more evenly distributed.

Male. *Antennæ* almost as long as the body, third and fourth joints almost equally elongate, second very short.

Female. Very much broader, suboblong, thorax transverse; *antennæ* reaching hind thighs only. ( $5\frac{1}{2} \times 2\frac{1}{8}$  lines.)

*Underside* more rufescent than the upper surface, rather closely spotted; basal abdominal segment triangular in front.

♂. Length,  $3\frac{3}{4}$ ; breadth,  $1\frac{1}{4}$  lines.

Mount Arthur. Taken off *Aciphyllæ* by Messrs. E. Meyrick and T. F. Cheeseman, to whom I am indebted for a specimen of each sex.

### Hybolasius.

2280. **H. deplanatus**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 94.) *Parvus*, oblongus, subdepressus, fuscus, superne rufescens, antennis pedibusque rufis; prothorace dense subtiliterque granuloso punctato, vittis tribus flavescentibus parum argutis pubescentia ornatis, ad latera angulatis; elytris parum inæqualibus.

Long., 3-4mm.

*Antennæ* red, slender, sparingly hispid. *Head* infusate-red. *Thorax* very transverse, strongly angularly prominent at each side, the surface densely covered with minute asperities, which are more than usually visible on account of the scanty pubescence; this latter is yellowish in colour, and arranged so as to form three indistinct longitudinal bands. *Elytra* reddish, more or less distinctly marked with fuscous along the suture; this colour beyond the middle rather abruptly turned towards the sides, and bounded about the middle by a very obscure longitudinal elevation; the surface rather sparingly pubescent, and irregularly punctate, but almost destitute of erect setæ. *Legs* clear-red.

This species is allied to *H. bellicosus*, Broun, but is more brightly coloured, with the *antennæ* and upper surface less hispid, &c.

Grey mouth. Helms.

2281. **H. castaneus**, *n.s.* *Oblong*, subdepressed, a little shining, pale reddish-chestnut, legs and *antennæ* paler.

*Head* distinctly channelled. *Thorax* broader than long, much more deeply constricted near the raised basal margin than in front; sides obtusely prominent behind the middle, disc uneven, apparently finely and closely granulated, sparsely clothed with greyish or yellowish hairs. *Antennæ* with elongate, slender, pale-brown hairs; third and fourth joints very long, 5-11 very faintly infusate at extremity. *Elytra* oblong, subparallel, broadly depressed at the middle, basal elevations inconspicuous; moderately coarsely and closely punctured, more distantly behind posterior femora; in line with these there is an obscure, curved, fuscous fascia; they are covered with greyish or pale-yellow hairs and many erect, elongate ones, similar to those on the legs and *antennæ*. *Tibiæ* straight.

Smaller than *H. brevicollis*, somewhat like it, the thorax more



deeply constricted at the base. The term "constricted," as used in descriptions of species of this genus, implies not only a lateral contraction, but also a corresponding depression of the upper surface.

♀. Length,  $1\frac{1}{2}$  lines; breadth, quite  $\frac{1}{2}$  line.

Howick. A second example is darker in colour; a third is set aside as a variety without the fascia, though future research may prove that it represents a distinct species.

2282. **H. finitimus**, *n.s.* *Variegate*, reddish-brown; head, thoracic disc, elytral basal elevations, and fascia between hind thighs piceous; clothed with depressed greyish hairs, but with elongate ones on the legs and antennæ, besides a few erect ones on the body.

*Head* finely granulated, central groove distinct. *Antennæ* moderately slender; the apex of third and fourth joints, and about half the length of the following ones, pitchy in colour; third and fourth long, fifth reaching hind thighs. *Thorax* rather broader than long, deeply constricted near the base, very slightly in front, sides behind the middle but little prominent; closely and finely granulated. *Scutellum* large. *Elytra* oblong, medially depressed, basal elevations obtuse; punctation not close, moderately coarse and deep. *Tibiæ* straight, apical half dark; tarsi fuscous.

Quite distinct from *H. castaneus*; smaller, decidedly narrower, distinctly variegate, a little glossy; more like *H. pusillus*, but with bright-looking elytra.

Fem. Broader, darker, elytra less distinctly marked.

♂. Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{3}{8}$  line.

West Taieri Bush, Otago. Mr. S. W. Fulton.

2283. **H. albihirtus**, *n.s.* *Rufo-piceous*; clothed with conspicuous white and yellowish-grey hairs; oblong, depressed.

*Thorax* much broader than long, the obtuse lateral prominences placed very near the base, where the constriction is deeper than in front, it being there more like a broad shallow impression extending from the middle to near the apex; its surface closely and minutely granulated. *Antennæ* elongate, fourth joint attaining hind thighs. *Elytra* oblong, rather flat, basal prominences obtuse; each elytron with an oblique impression extending from the shoulder backwards; coarsely and moderately closely punctured, with a very slight elevation on each near the posterior femora.

The whitish hairs on the wing-cases are in marked contrast to the dark ground-colour. *Antennæ* almost without maculation and redder than the body. It is one of several small, rather broad, depressed species, but can be easily identified.

Length, 2 lines; breadth,  $\frac{5}{8}$  line.

Helensville, near Kaipara Harbour.

2284. **H. gnarus**, *n.s.* *Piceous*; legs and antennæ red, darker towards the extremity; palpi testaceous; clothed with pale-yellow pubescence and elongate white or infusate hairs on the legs and antennæ as well as on the body, the yellowish pubescence thicker

and more conspicuous along the elytral suture, and near the middle, than elsewhere.

*Head* and *thorax* densely and finely granulated: the latter a little broader than long, more constricted near the base than in front; lateral prominences obtuse, situated just behind the middle. *Scutellum* densely pubescent. *Antennæ* elongate, their fourth joint reaching to beyond the hind thighs; covered with short yellowish pubescence. *Elytra* moderately elongate, not parallel, gently narrowed backwards, their basal elevations obtuse; each broadly longitudinally depressed from behind the shoulders; moderately closely and coarsely punctured, more distantly behind. Posterior *tibiæ* bent.

This comes near *H. albihirtus*; it is narrower, not so flat above, the lateral thoracic prominences placed further forward and much more conspicuous, the thorax therefore less quadrate, it is also more densely and obviously granulate.

Length,  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{5}{8}$  line.

Helensville.

2285. **H. femoralis**, *n.s.* *Piceous*, antennæ and tibiæ rufo-castaneous, apices of the latter, and joints 4–10 of the former, at the extremity, of a pitchy colour.

*Head* finely but not closely granulated, antennal tubercles smooth and shining. *Antennæ* thick, their fourth joint just attaining hind thighs, the seventh reaching the extremity of the body. *Prothorax* as long as broad, lateral angulations very obtuse and quite medial, more constricted behind than in front; more finely and much more closely granulated than the head. *Elytra* oblong; basal elevations distinct, yet obtuse; each has an elongate obtuse elevation beginning before the middle, the suture also a little raised, these parts finely or only obsoletely punctured, as, indeed, is the case with the whole of the apical half, the basal being, as usual, more coarsely sculptured. *Legs* robust, femora unusually incrassate, hind tarsi rather long. The *clothing* in my specimen rather scanty, mostly greyish, with the ordinary long hairs on the legs and antennæ.

An easily-recognised species, owing to the thick legs and antennæ in comparison with the small body.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Dunedin. The only specimen I have seen came from Mr. T. Chalmer.

2286. **H. thoracicus**, *n.s.* *Body* rather narrow, not depressed; rufo-piceous, legs and antennæ pitchy-red; thickly covered with yellow and yellowish-grey pubescence, and elongate greyish hairs, the yellow hairs rather coarse on the head, thorax, and base of elytra.

*Head* finely granulated. *Thorax* rather longer than broad, sides obtusely swollen behind the middle, narrowed towards the front, constricted behind; the sculpture consists of fine granules, but appears as if the surface were minutely transversely rugose. *Elytra*

very gradually narrowed from the shoulders backwards; basal elevations obtuse, without other well-marked elevations or depressions; moderately coarsely punctured, fewer punctures behind. *Legs* stout, tibiae straight. *Antennæ* stout, fourth articulation barely reaching hind thighs.

Similar in form to Dr. Sharp's *H. simplex*, which he has since removed to the genus *Pœcilippe*. It is distinguished by the narrow form, rather long thorax, and conspicuous clothing. *H. picitarsis* and the male of *H. pusillus* are also of somewhat similar form. *H. gnarus* and *H. vegetus* are intermediate between the broad and narrow species.

Length,  $2\frac{1}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Tairua. One individual, found during a visit to that district about five years ago.

2287. **H. rufescens**, *n.s.* Narrow, subdepressed, somewhat nitid, almost wholly dark-red; the tips of the last three antennal joints, the tarsi, and extremity of tibiae dark in colour; elongate hairs on antennæ pallid, elsewhere white; pubescence on body white and pale-cinereous, the former coarser and more conspicuous.

*Head* granulated, not very closely. *Antennæ* slender and elongate, fourth joint reaching just beyond hind thighs, joints 7–11 extending beyond extremity of body. *Thorax* longer than broad, more constricted behind than in front, lateral protuberances situated behind the middle, rather large but obtuse; its surface more closely and finely granulated than the head. *Elytra* suboblong, widest at base, yet not much wider there than elsewhere, apices rather sharply rounded, so as to cause a sutural opening; basal elevations moderate, elongate; they are broadly impressed before the middle, the punctuation moderate, less evident behind, and there is an obscure dark fascia in line with hind thighs. *Femora* rather slender at base, medially clavate; tibiae rather slender, the posterior a little incurved.

There can be but little difficulty in identifying this rather brightly coloured species. It is somewhat similar to the *H. thoracicus* allies.

♂. Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Howick. Only one individual found during three years.

## Pœcilippe,

*Bates.*

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 444.)

This genus has not yet been distinguished in a very satisfactory manner from *Hybolasius*, but I find a character which appears sufficient to warrant its retention—namely, that the scape of the antennæ is cicatrised in front towards the apex by numerous scars. This character exists also in *Hybolasius simplex* (Sharp), though not in so marked a degree, and it will be necessary, therefore, to treat



that species as belonging to *Pæcilippe*. The two following new species also are quite similar to *Hybolasius*, except in the above characters.

2288. **P. medialis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 444.) *Nigro-fusca*, antennis tibiisque testaceo-variegatis; pubescens, elytris ante medium fascia lata ad latera antrorsum curvata albida, post hac fascia nigro-fusca, apice minus argute pallido; *prothorace* ad latera minus acute tuberculato, *elytris* ad basin tuberculis sat elevatis haud cristatis.

Long.,  $5\frac{1}{2}$ –8mm.

*Scapæ* of antennæ dark, the following joints testaceous at base, fuscous at extremity. *Thorax* strongly transverse, furnished at each side with an angular prominence, and on the middle with two transverse elevations; it is sparingly covered with griseous pubescence, which is more concentrated at each side behind the lateral tubercle. *Elytra* broad, not narrowed till near the extremity, near the suture at the base with two broad, not tufted, elevations, and behind each a little obliquely depressed, clothed with whitish pubescence, which forms a broad band just about the middle, and is sharply limited behind by black, in front quite vaguely limited; behind the broad dark fascia the pubescence is again more pallid, though more scanty. *Tibiæ* black at the apex; pallid above this.

This species is excessively similar to *Hybolasius predator*, but the central pallid fascia is more distinct and curvate in the opposite direction.

Picton. Helms; a small series exhibiting little variation except in size.

2289. **P. femoralis**, *n.s.* (Sharp; *Trans. Dub. Soc.*, 1886, p. 444.) *Nigricans*, griseo-vestita, subvariegata, pedibus plus minusve rufo-variegatis, femoribus semper superne rufis, antennis pedibusque longius albido-setosellis, illis ex parte majore testaceis.

Long.,  $5\frac{1}{2}$ –7mm.

*Thorax* rather elongate, with moderate lateral prominence, and two slight elevations in front of the middle, the pubescence more concentrated at the side behind the lateral tubercle. *Elytra* depressed, narrowed behind, the centro-basal tubercles moderately conspicuous, but not tufted, the surface behind them a little obliquely depressed, and also near the suture behind the middle longitudinally a little depressed; they are more or less obscurely rufescent, exhibit a punctuation like the species of *Hybolasius*, and are clothed with griseous pubescence in a somewhat spotty or irregular manner.

Although very similar to *P. medialis*, this is readily distinguished by the longer thorax, and the absence of a definite medial fascia on the wing-cases.

Picton. Helms; a series of twelve examples, unfortunately much abraded, varying a good deal in size and in the colour of the derma, which is sometimes more rufescent than black.

## Group—CRYPTOCEPHALIDÆ.

## Scaphodius,

*Chapuis.**(Sharp; Ent. Mon. Mag., vol. xviii., p. 51.)*

*Head* small, received into, and exactly adapted to, the front of the prothorax. *Antennæ* short and rather slender, joints 3-6 small, and so closely applied to one another as to be scarcely distinguishable; joints 7-11 a good deal broader than the preceding ones, Middle of *pronotum* prolonged behind, and its apex with a small deep notch, adapted to the narrow small scutellum. The *coxæ* all very widely separated, the anterior ones very near the front edge of the prosternum. The *prosternum* is flat along the middle, and the mesosternum is elevated in the middle so as to form a short, very broad process, connected with the prosternum by a quite straight transverse suture, the two parts being so closely applied together as to appear one; this raised portion of the *mesosternum* is quite continuous in plane with the metasternum, and thus the body along the middle line is very consolidated: the first *ventral segment* is large, the second very short, the sutures between first and second, and second and third segments quite straight, the two following sutures strongly arcuate, so that the third segment appears quite divided in the middle, fifth segment large, with a broad shallow impression extending along the middle. *Pygidium* exposed.

1444. **S. compactus**, *n.s.* (*Sharp; Ent. Mon. Mag., vol. xviii., p. 50.*) *Minutus*, breviter ovalis, convexus, nitidus, niger, antennarum basi orisque partibus testaceis, pedibus anterioribus fuscostaceis, posterioribus piceis: prothorace subtiliter sparsim punctato; elytris striatis, striis punctatis.

Long., 1½mm.

*Labrum*, palpi, and basal joints of the antennæ pale-yellow, the terminal four joints of the latter deeply infusate. *Prothorax* at the base continuous with the elytra, to which it is very closely applied, the sides much narrowed in front, very distinctly margined, its surface very shining, and bearing minute, scanty, somewhat elongate punctures: *elytra* very distinctly striate, the striæ fine at the base, distinctly punctured, the sutural angles rounded.

Of this peculiar little insect I have seen only one individual, in bad condition, which I obtained from the collection of the late Andrew Murray. I believe it may be referred to the genus *Scaphodius*, recently established by Chapuis for the New Caledonian *Cryptocephalus striaticollis*: as, however, that insect is scarcely known to entomologists, and I have not seen it myself, there is considerable doubt whether these two insects will prove to be really congeneric; I think it, therefore, well to prefix the characters I have been able to detect in the specimen before me.

## Group—EUMOLPIDÆ.

## Eucolaspis.

Nov. gen.

(Sharp; Trans. Roy. Dub. Soc., Nov., 1886.)

Coxæ omnes parum distantes; corpus absque pubescentia; coxæ anteriores ad marginem anteriorem posterni sitæ.

The *form* is rather short, convex. The *head* is deflexed, the eyes moderately convex. The *pronotum* is margined at the base, sides, and front, but has no denticles or sinuation on the lateral margin. The front *coxæ* are situated as near as possible to the front margin of the prosternum, which is not at all deflexed; they are moderately separated, the *prosternum* arched upwards behind them. The middle *coxæ* also are moderately separated; the *metasternum* is short; the hind *coxæ* are not more widely separated than the others. The *femora* are rather slender, unarmed; the *tibiæ* are simple, straight externally, not mucronate at the apex; the third joint of the *tarsus* is bilobed, but it is short, and fitted rather closely to the preceding joint; the *claws* are appendiculate.

*Peniticus* is clearly an allied form, and as a genus is distinguished by the short convex form, the greater separation of the *coxæ*, the excessively short *metasternum*, and the position of the front *coxæ*, which is not quite so close to the front margin.

2290. **E. ochracea**, n.s. Shining, ochraceous, occasionally with some ill-defined fuscous spots.

*Head* punctate. *Pronotum* bisinuate at base, sides finely margined and slightly curvate; nearly smooth at the sides, the punctures more sparingly distributed near the middle of the base than on the disc. *Elytra* more or less striate posteriorly, the punctuation on the dorsum seldom disposed in regular series, coarser and more rugose behind the smooth, somewhat elevated, humeral angles; intrahumeral depressions well marked.

The basal margin of the thorax and the elytral suture are usually reddish.

In form very much like *E. atrocerulea*, but with finer punctures on the pronotum, and having the hind-body more narrowed towards the apex.

Length, 2; breadth,  $1\frac{1}{8}$  lines.

North Island; different localities.

2291. **E. colorata**, n.s. Variegate; the back of the head, the thorax, except two broad oblique vittæ of a piceous hue, testaceous; elytra with two broad stripes proceeding from the shoulders and terminating near the apex close to the suture testaceous, the rest of their surface of a bluish or piceous colour; legs and antennæ dark, the apex of the femora and antennal joints yellowish.



*Antennæ* robust, third and fourth articulations each shorter than fifth. *Head* punctate. *Thorax* strongly transverse, a little curved but not very much narrowed anteriorly, side margins rather broad, angles rectangular, base sinuous; bearing fewer punctures on the sides and before the scutellum than elsewhere. *Elytra* more or less furrowed apically, their punctuation not truly serial, shoulders smooth and prominent. Legs stout.

When compared with the preceding species it will be noticed that the pronotum is less depressed and contracted in front, that it is shorter, and that the lateral margins are more explanate.

Var. A. Testaceous; front of head and all but the middle of thorax piceous; a broad triangular space of a pitchy hue occupies all the scutellar region and most part of the sides of the wing-cases; joints 3-6 of antennæ elongate and slender.

Var. B. Antennæ and legs testaceous; the yellowish spaces on the body increased, the greenish diminished, both, however, maintaining the same shapes.

Length, 2; breadth,  $1\frac{1}{2}$  lines.

Tairua, Waitakerei Range, and other localities.

2292. *E. montana*, n.s. *Oviform*, rather elongate, convex; shining; the head, all save the margins of the thorax, and two broad longitudinal vittæ not attaining the apices of the elytra, fuscous; the elytral suture also similarly dark in colour; the remainder of the body testaceous.

*Prothorax* moderately short, its angles about rectangular, sides finely margined and somewhat rounded; its whole punctuation rather fine and dense. *Elytra* grooved behind, the striæ prolonged forwards towards the middle as series of punctures, but nearer the base, owing to the interposition of other punctures, the punctuation becomes irregular; humeral angles smooth.

Its nearest ally is, undoubtedly, *E. puncticollis*, from which it may be readily distinguished by an examination of the thoracic sculpture. In *E. montana* the punctures are a little larger and the intervals between them are broader, whilst the hind-body is narrower throughout; in *E. puncticollis* the punctures are very close to one another, and the interstices are excessively narrow and often appear as if rugose.

Var. A. Thorax and tibiæ piceous; tarsi and basal half of antennæ infusate, the apical half of these latter rufescent.

Var. B. Nearly wholly testaceous, the elytral vittæ represented by two elongate brown spots.

Var. C. Body greenish-black; the legs, antennæ, the suture, sides, and apices of wing-cases, testaceous.

Var. D. Body piceous; legs and antennæ testaceous.

Length,  $1\frac{3}{4}$  lines; breadth, nearly 1 line.

Found on Mount Egmont, at various elevations from 800ft. to 3,000ft.

OBS.—Dr. Sharp, when establishing this genus, did not describe any species. It was intended for the reception of species formerly referred to *Colaspis* by himself (*C. puncticollis*), by White, and by me. The amended list of this genus will now stand as follows:—

<i>E. ochracea</i> , Broun.	<i>E. subænea</i> , Broun.
<i>E. colorata</i> , "	<i>E. sculpta</i> , "
<i>E. montana</i> , "	<i>E. mera</i> , "
<i>E. brunnea</i> , Fabr.	<i>E. brevicollis</i> , "
<i>E. pallidipennis</i> , White.	<i>E. atrocerulea</i> , "
<i>E. puncticollis</i> , Sharp, MS.	<i>E. huttoni</i> , "
<i>E. jucunda</i> , Broun.	

### Atrichatus.

Nov. gen.

(Sharp; Trans. Roy. Dub. Soc., Nov., 1886.)

*Corpus* oblongum, absque pubescentia; prothoraci anguli posteriores liberi; coxæ posteriores magis quam anteriores et intermediae distantes.

This is another form closely allied to *Eucolaspis*, but appearing to me entitled to generic distinction. The anterior and middle coxæ are but little more separated than they are in *Eucolaspis*, but the posterior are more widely distant. Although very different in form from *Peniticus*, *Atrichatus* is as near to it as to *Colaspis*, but the front coxæ are not so widely separated, and the metasternum is not so extremely abbreviated. *Atrichatus* has the antennæ very widely separated, and the tibiæ broader at the extremity, and excavate externally; the front coxæ are very near the margin of the prosternum, though not so excessively close as they are in *Eucolaspis*. The claws are appendiculate.

The insect which I take for the type of this genus was found at Christchurch by Wakefield. I do not describe it, as I think it may probably be the *Colaspis ochraceus* of Broun.

OBS.—No. 1099 now becomes *Atrichatus ochraceus*.—T. B.

### Pilacolaspis.

Nov. gen.

(Sharp; Trans. Roy. Dub. Soc., Nov., 1886.)

*Corpus* oblongum, subtiliter pubescens; coxæ anteriores et intermediae satis, posteriores magis, distantes, anteriores bene pone prosterni marginem anteriorem sitæ.

This is allied to *Eucolaspis*, but presents too many points of distinction to be treated as a mere extension thereof. The hind coxæ considerably more widely separated, and the position of the front coxæ, added to the pubescent surface, being the most important points of distinction. The other characters are apparently similar to those of *Eucolaspis*, except that I cannot detect any lobes or appendage on the claws; it is just possible, however, that I may be in error on this point, as the only example I have seen is in bad condition, and much mutilated.

2293. **P. wakefieldi**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886.) *Sordide* testaceus, supra ænescens, tenuiter albido-pubescent, crebre punctatus, antennis pedibusque elongatis, crassiusculis.

Long., 5mm.

*Antennæ* elongate; second joint subglobose; third elongate, a little shorter than the fourth; tenth twice as long as broad (terminal joint mutilated); the colour is uniform dusky-yellow. *Head* rather closely punctate, with a fovea on the middle. *Thorax* strongly transverse, with the sides rounded, and more narrowed behind than in front; a little sinuate at the posterior angles, which are by this made rectangular; the surface is uniformly densely and moderately coarsely punctured. *Elytra* with diffuse moderately-coarse punctuation, not so dense as that of the thorax and more effaced on the apical portion. *Undersurface* yellow, sparsely pubescent. *Legs* stout, yellow.

Christchurch. C. M. Wakefield, Esq.

## Group—CHRYSOMELIDÆ.

### *Allocharis.*

*Nov. gen.*

(Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 98.)

*Elytra* libera. *Metasternum* sat breve, quam pronotum brevius. *Acetabula* antica occlusa. *Palpi* maxillares breves, haud incrassati, articulo ultimo quam præcedente angustiore et paulo brevior, apice obtuse acuminato. *Antennæ* parum graciles sat elongatæ. *Pedes* omnes distantes, posteriores valde distantes. *Mesosternum* inter pro- et meta-sterna distinctum. *Tibiæ* haud canaliculatæ; tarsorum articulo 3° ad apicem sat profunde emarginato. *Facies* inter *Chrysomelam* et *Prasocurem* quasi intermedia.

This is an anomalous insect, but on the whole is probably most allied to the *Phyllocharites* of Chapuis. The metasternum is not so abbreviate as in *Cyrtonus*, its length being just intermediate between those of *Cyrtonus* and *Gonioctena*. The metasternum is brought up to the level of the middle of the pro- and meta-sterna, and exposed between them as a curved linear piece. The claws of the tarsi are short, and armed at the base with an angular dilatation. The maxillary palpi do not differ much from those of *Cyrtonus*. The elytra are not soldered, but I am unable to say whether wings are present or not.

2294. **A. marginata**, *n.s.* (Sharp; *Trans. Ent. Soc.*, 1882, Part i., p. 99.) *Oblongo-ovalis*, sat elongata, convexa, nitida, fusco-ænea, elytris rufo-marginatis, antennis palpis pedibusque testaceis; elytris subtiliter seriatim punctatis, interstitiis fere impunctatis.

Long.,  $5\frac{1}{2}$ mm.; lat.,  $2\frac{7}{8}$ mm.

*Antennæ* clear-red, stout, rather longer than head and thorax; second joint quite as broad as third, and distinctly shorter than it;



sixth a little shorter than the contiguous joints, and rather longer than broad. *Head* much immersed in thorax, its surface distinctly but irregularly punctate; eyes small, coarsely granulate. *Thorax* rather strongly transverse, but little emarginate in front, a little narrower than the elytra, the colour shining-brassy, becoming rufescent or fuscous towards the sides, the surface rather finely and distantly punctate: the lateral and basal margins are fine but distinct throughout; the front margin is even finer than the others, and is obsolete in the middle. *Scutellum* not large, rather broad, curvilinearly triangular, impunctate. *Elytra* of an obscure-brassy colour, with the sides broadly and distinctly rufescent, and the base more obscurely so, not at all striate, but bearing each nine series of fine punctures, and with some other very fine and distant punctures. *Legs* rather short and stout, reddish-yellow.

I received a single specimen of this rather obscure-looking but interesting insect from C. M. Wakefield, Esq. It is labelled "Craigieburn, Powell."

2295. **A. morosa**, *n.s.* *Oblong-oval*, moderately elongate and convex, nude above; more or less piceous, the head and thorax with a slight greenish tinge, the base and lateral margins of elytra reddish, front and hind angles only of thorax rufescent, legs and antennæ ferruginous.

*Head* distinctly and irregularly punctured. *Prothorax* strongly transverse, distinctly emarginated at apex, its sides straight behind, but slightly rounded in front; rather closely and irregularly (almost rugosely on some parts), but not very coarsely punctate. *Scutellum* quite as long as broad, smooth. *Elytra* with rows of fine punctures, sometimes neither regular nor distinct; the interstices with very few fine punctures.

Evidently nearly allied to *A. marginata*, but at once differentiated by the thoracic sculpture, and coloration.

Length,  $2\frac{3}{8}$ ; breadth,  $1\frac{3}{8}$  lines.

I am indebted to J. D. Enys, Esq., F.G.S., Canterbury, for the only individual I have seen.

2296. **A. limbata**, *n.s.* *Oblong-oval*, moderately elongate, convex, shining; brown, slightly bronzed, head and thorax much darker than the elytra; the sides of the thorax and elytra broadly testaceous (in some examples fulvescent); elytra, along the middle, dilute in colour but not as pale as the sides; legs and antennæ testaceous (sometimes rufo-testaceous), palpi yellow.

Nearly related to *A. marginata*. The *head* is a little uneven, almost smooth, having only a few minute punctures; eyes moderately large. *Thorax* subtruncate in front, finely and distantly punctated. *Elytra* with nine rows of fine, not very regular, punctures, and with a short scutellar series on each wing-case, causing those near the suture to appear quite oblique near the base, interstices finely punctured. *Tibiae* canaliculate towards the extremity.

*Underside* castaneous, sparingly clothed with fine grey hairs; the

sternum more distinctly (yet rather distantly) punctured than the ventral segments.

Described from five examples sent to me by Messrs. Fulton and Chalmer. One was found on Flagstaff Hill, Dunedin; the others on Mount Maungatua.

Length,  $2\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

## Caccommolpus.

Nov. gen.

(Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 447.)

*Antennæ* graciles, apicem versus paulo latiores. *Palpi* articulo ultimo apice truncato. *Coxæ* omnes distantes. *Tibiæ* extus ultra medium latiores, basi et apice tenuioribus.

This genus is closely allied to *Aphilon*, but it is comparatively of ordinary facies, resembling in form and appearance the hemispherical Phytophaga, such as *Phædon* and *Apteropeda*. It differs from *Aphilon* by the almost filiform antennæ, and truncate apex of maxillary palpi, by the less widely distant front coxæ, and the fact that all the coxæ are larger and less globose.

The position of these two genera should be in the Chapuis group Chrysomelites, where they will be exceptional on account of the bilobed tarsi. One Eastern genus, *Agasta*, is already known to possess this peculiarity, but the New Zealand genera do not appear to be in the least allied to it.

2297. **C. globosus**, *n.s.* (Sharp; *Trans. Dub. Soc.*, 1886, p. 447.) *Rotundatus*, convexus, æneo-niger, nitidus; antennis, pedibus, abdomine, capite subtus, sternique lateribus flavis; *elytris* seriatim punctatis, interstitiis parce punctatis.

Long., 3mm.

*Antennæ* elongate; third joint longer than second; tenth much longer than broad; terminal joint still more elongate. *Head* very sparingly punctate; the clypeus more closely. *Thorax* about three times as broad as long; sparingly punctate. *Elytra* each with nine series of punctures, the external indistinct, and all becoming quite obsolete behind; between the suture and the first stria there are three or four punctures interpolated near the base; *legs* pale-yellow, coxæ brownish; middle of the body beneath æneous. The male has the basal joint of all the tarsi much larger than it is in the female. *Scutellum* moderately large and elongate, impunctate.

Greymouth. Helms.

2298. **C. plagiatus**, *n.s.* (Sharp; *Trans. Dub. Soc.*, 1886, p. 448.) *Rotundato-ovalis*, convexus, nitidus, testaceus, *elytris* basin versus plaga magna transversa nigro-fusca, obsolete seriatim punctatis.

Long., 4mm.

*Antennæ* pale-yellow, elongate, slender; third joint a good deal longer than second. *Head* impunctate, bi-impressed between the

eyes. *Thorax* with numerous rather large punctures irregularly distributed. *Elytra* near the base with a very large patch of dark colour extending nearly but not quite to the side margin; near the outside this patch is prolonged in front so as to touch the base, and behind it is also longer externally than it is at the suture, being externally about half the length of the *elytra*; the scanty serial punctuation is very much effaced; the *legs* are rather long; the external sinuosity of the *tibiæ* very pronounced; on the under-surface the middle of the breast is dark, the rest pale.

Grey-mouth. Helms.

2299. **C. pullatus**, *n.s.* *Rotundate*, convex; shining-black, legs and antennæ rufo-testaceous, femora yellow, abdomen rufescent.

*Head* quite smooth behind, forehead finely and closely punctate. *Antennæ* elongate, third and fourth joints nearly equally long, second shorter; basal five glabrous or nearly so, remainder pubescent and thickened. *Thorax* thrice as broad as long, apex widely incurved, finely but distinctly margined; with an angular impression near each side, finely and moderately distantly punctured, base more finely and closely, sides nearly smooth. *Scutellum* large. *Elytra* finely almost striate punctate. *Tibiæ* strongly curved, slender near base, but expanded towards the extremity; *tarsi* stout, basal joint of posterior oblong, large; second small, third bilobed.

Length,  $1\frac{3}{4}$ ; breadth,  $1\frac{1}{4}$  lines.

Forty-mile Bush. Mr. H. Suter.

2300. **C. maculatus**, *n.s.* *Convex*, broadly-oval, narrowed behind; nude, fusco-piceous; legs, antennæ, sides of thorax, humeral angles, sides and apices of *elytra* testaceous.

*Head* without distinct sculpture. *Thorax* finely, irregularly, and remotely punctured. *Elytra* with, on each, nine series of fine punctures; interstices with very few, minute, distant punctures. *Under-side* smooth, its middle part pitchy-brown, the remainder testaceous. *Tibiæ* curved and bent, bearing yellowish pubescence near the extremity. *Antennæ* with swollen basal joint; second much shorter than third; joints 3-6 decrease in length; 7-10 stouter than the preceding and more thickened apically; eleventh oviform, rather larger than tenth. *Scutellum* small, curvilinearly triangular. *Tarsi* normal, large.

Length,  $1\frac{3}{4}$ ; breadth,  $1\frac{1}{2}$  lines.

Mount Arthur. My specimen was in a collection of Coleoptera brought by Messrs. T. F. Cheeseman and J. Adams.

### **Aphilon** (Gen., p. 629).

2301. **A. præstans**, *n.s.* *Subhemispherical*, nude above, glossy, aeneo-niger, legs and antennæ rufo-testaceous, front *tibiæ* almost red.



*Head* destitute of distinct punctation. *Antennæ* shorter than the body, basal joint large and stout; second much smaller, half the length of third; joints 3-5 equally elongate; sixth smaller than fifth; seventh, eighth, and ninth of nearly the same size, each widened apically; tenth of similar form but longer than the preceding one; eleventh largest, elongate-oval; the terminal articulations punctate, and bearing more pubescence than the others. *Eyes* convex and coarsely faceted. *Thorax* much broader than long, its sides finely margined and nearly straight, yet gradually narrowed towards the obtuse anterior angles, hind angles acutely rectangular but not prominent; its surface smooth. *Scutellum* minute. *Elytra* with several series of more or less regular punctures, and about midway between the middle and apex appearing as if furnished with a plica or fold at the side. *Legs* stout, the two hind pairs of tibiae curve, the anterior flattened or concave on the upper face at the extremity; *tarsi* stout, basal joint very large and narrowed towards its base, second short, lobes of the third moderate.

Nos. 1556 and 1557 are nearly twice as large, the former has many small but distinct punctures on the thorax, and the basal articulation of the front tarsus is oblong-oval; No. 1557 is, on the whole, more nearly related, but its legs are relatively more slender, and the elytral punctation has a tendency to assume a striate appearance.

♂. Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Mr. George Munro has been kind enough to present me with the only example he could succeed in finding.

2302. **A. convexum**, *n.s.* *Hemispherical*, compact, convex, nude, shining; black, legs and antennæ yellow, terminal joints of these latter darker.

*Head* without distinct punctures, reddish in front. *Antennæ* moderately elongate, stout, basal joint thick, second short, third distinctly longer than fourth, joints 4-6 oblong, eighth smaller than the contiguous ones, ninth and tenth broader than the preceding ones, eleventh suboblong. *Prothorax* transverse, smooth. *Scutellum* distinct, triangular. *Elytra* with irregular rows of shallow and rather small punctures. *Tibiae* stout and curved; *tarsi* stout, shorter than tibiae, basal joint of the anterior oblong, second broad, transverse, third longer than second, bilobed.

The most convex species yet brought to light, of about the same size as *A. minutum*, but with shorter and differently-formed antennæ; the tarsi are similar in both species, and both have a distinct scutellum.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{5}{8}$  line.

One example, no doubt a female, found amongst vegetable matter on the ground, near Howick.

2303. **A. latulum**, *n.s.* *Convex*, broad, shining, black, nude, antennæ and legs fulvescent.

*Head* smooth. *Antennæ* elongate, second joint shorter and narrower than the first, second and third about equally elongate and slender; fifth and sixth oblong; seventh and eighth much larger than the preceding two, obconical; ninth and tenth nearly equal, each much larger than the eighth; eleventh largest, suboblong. *Prothorax* large, smooth. *Scutellum* distinct. *Elytra* with irregular series of fine punctures. *Legs* moderate, tibiæ curved; basal joint of the posterior *tarsi* longer than second and narrowed towards the base, second transverse, third bilobed, fourth elongate.

This, the broadest species known as yet, instead of being hemispherical may be said to be of a rounded quadrate form. None of the other small species possess such elongate antennæ.

Length,  $\frac{3}{4}$ ; breadth, nearly  $\frac{3}{4}$  line.

I found one on a log at Stratford, Taranaki.

OBS.—Unfortunately the members of this genus are excessively rare. Dr. Sharp, no doubt, founded the genus on a female specimen, as he describes the tarsi as “moderately slender.” I find that the anterior are usually rather shorter than the others, and, in the males, the basal joint is strongly developed; at any rate I, at present, consider *A. punctatum* and *A. monstrosus* as true representative males, whilst *A. sobrinum*, though, most likely, a male also, has rather more slender tarsi. The scutellum is sometimes quite invisible, but on the other hand it is often moderately large.

## Group—HALTICIDÆ.

### Trachytetra.

*Nov. gen.*

(Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886.)

*Acetabulæ* anteriores apertæ; pronotum absque sulca transversa; tibiæ posteriores apice breviter calcarato; metasternum brevissimum.

*Antennæ* moderately long and stout, eleven-jointed; anterior coxæ only slightly separated; mesosternum not in the least impressed; *metasternum* so short that the hind coxæ are only slightly separated from the middle; hind coxæ moderately separated; femora strongly dilated; hind *tibia* slender, armed at the apex with a short mucro directed outwards; *tarsi* rather short, their basal joint one-third of the length of the tibia; claw-joint small; *claws* minute; the other tibiæ without mucro; *epipleura* rather narrow, completely disappearing some distance before the extremity.

OBS.—This genus has for its type the remarkable little Halticid described by me several years ago under the name *Phyllotreta rugulosa*. It must now become known as *Trachytetra rugulosa*. I pointed out at the time that it was an aberrant form, &c. Dr. Sharp further states that it may be placed near *Phyllotreta*, from which it is distinguished by the very abbreviate metasternum.—T. B.

**Pleuraltica.***Nov. gen.**(Sharp; Trans. Roy. Dub. Soc., Nov., 1886.)*

*Acetabulæ* anteriores apertæ; pronotum absque sulca transversa; tibiæ posteriores ecalcaratæ; metasternum sat elongatum.

It is not much allied to *Phyllotreta*, nor apparently to any known form. It has very long *antennæ*, eleven-jointed, with elongate basal joint; the front *coxæ* are moderately separated, and the *mesosternum* is very slightly impressed in the middle for the reception of the prosternal process; the *metasternum* is of normal length, and the hind *coxæ* rather widely separated; the hind femora are moderately broad, rather flat; the *tibiæ* are not grooved at the extremity, but their superior external aspect is flat, and polished nearly up to the knee, and its outer edge is finely and densely minutely ciliate near the extremity; the *epipleuræ* are broad, and do not disappear till near the extremity. The female has a raised plica on the *elytra* extending backwards from the shoulder; and in the male the *epipleuræ* are broader and more deeply sulcate.

Obs.—Dr. Sharp having proposed the above generic name for my No. 1120, its name must now be altered to *Pleuraltica cyanea*.—T. B.

**Group—GALERUCIDÆ (Gen., p. 631).****Luperus.**

2304. **L. oleareæ**, *n.s.* Oblong, slightly convex, shining, bronzed-green, second and third antennal joints fuscous, remaining joints blackish.

*Head* more or less punctate, the raised antennal orbits smooth. *Antennæ* moderate, basal joint not much inflated, third longer than second, fourth much longer than the preceding one, each of the following joints about three or four times longer than broad. *Prothorax* transversal, convex, its sides strongly but simply margined, and but little curved, front angles thickened but not prominent, apex truncate; its surface rather finely and distantly punctured, without any very obvious depressions. *Scutellum* smooth, blackish. *Elytra* oblong, widest behind, apex rounded, each longitudinally depressed inside the shoulders; distinctly and rugosely punctate. *Legs* with griseous hairs; femora pitchy-brown, tibiæ and tarsi rufo-fuscous, posterior tibiæ curvate. *Pygidium* triangular, moderately punctured. *Underside* æneous, not coarsely sculptured.

Not unlike No. 1115 (*Luperus viridis*), but much more finely sculptured, and destitute of distinct inequalities of surface.

A variety occurs, fusco-æneous, having slight depressions and wrinkles on the thorax.

Length, 2–2½ lines; breadth, 1 line.

Taken off the inflorescence of *Olearea nitida* on Mount Egmont, elevation 3,500ft.



2305. **L. rugicollis**, *n.s.* *Subdepressed*, viridi-æneous, glossy; antennæ blackish, femora and terminal joints of tarsi dark, tibiæ pale-brown.

*Thorax* transverse, uneven, depressed behind the apex, with two almost smooth raised spots near the middle, the rest of its surface more or less rugose, especially between the middle and base, and moderately coarsely punctured; the sides but little rounded, and distinctly margined; anterior angles incrassate but not dentiform, posterior rectangular, with a short oblique space between them and the otherwise truncate base. *Scutellum* triangular, smooth. *Elytra* somewhat dilated behind, depressed inside the humeral angles, rounded apically; rugosely punctate. *Antennæ* stout, basal joint metallic-green, not much swollen. *Tibiæ* (posterior) arcuate.

More coarsely sculptured than *L. oleareæ*; more nearly resembling *L. viridis* in that respect, but differing from it in the thoracic depressions, coarse punctation, and in the hind angles not being rounded off as in that species.

Length,  $2\frac{1}{8}$ ; breadth,  $1\frac{1}{8}$  lines.

Mount Egmont, elevation 3,500ft.

2306. **L. brevicollis**, *n.s.* *Fusco-æneous*, glossy; antennæ, thighs, and tarsi almost black.

*Head* nearly smooth. *Thorax* about twice as broad as long, apex truncate, sides nearly straight, front angles slightly thickened, posterior nearly rectangular but obtuse, with a short obliquity intervening between them and the base, which is slightly curved; depressed along the front, a little unlevel, with a pair of smooth spots near the middle, moderately wrinkled and punctured.

Much resembling *L. rugicollis*, the pronotum shorter, less uneven, more rugose, the punctures less evidently separated, lateral margins finer, base less truncate; elytra very similar as regards sculpture, but rather longer; pygidium more broadly triangular and more punctate; the hind tibiæ less curved.

Length,  $2\frac{3}{8}$ ; breadth,  $1\frac{1}{8}$  lines.

Mount Egmont.

2307. **L. sulcifer**, *n.s.* *Violaceous*, nitid; thighs and antennæ black, tibiæ and tarsi fuscous.

*Thorax* transverse, slightly convex, sides rounded; anterior angles thickened, posterior obtuse, almost quite rounded off; lateral rims rather wide, somewhat reflexed, with a conspicuous channel inside each; evidently, yet not very coarsely, punctate, the punctures more remote on the middle, where, indeed, an almost smooth space with two inconsiderable elevations may be seen. *Elytra* rugose-punctate. *Pygidium* rather short, broad, rugosely punctured. The posterior *tibiæ* arched. *Antennæ* elongate, their joints nearly four times longer than broad.

Distinguished from its immediate allies (*L. viridis*, *oleareæ*,

*rugicollis*, and the two following) by the more curvate sides of the thorax, and the unusually well developed marginal channels, &c.

Length,  $2\frac{1}{2}$ ; breadth,  $1\frac{1}{4}$  lines.

Otira Gorge, Canterbury. One example, found by T. F. Cheeseman.

2308. **L. rectipes**, *n.s.* *Nigrescent*, head and thoracic margins violaceous, second and third antennal joints, and the tibiæ, infuscate, tarsi dark.

*Prothorax* broader than long, a little convex and uneven above, rugosely punctate, with hardly any smooth discoidal spaces; sides slightly curved, their margins well developed, incrassate in front, hind angles rectangular, with a short oblique space between them and the base. *Elytra* rugosely punctured. *Tibiæ* almost straight. *Pygidium* broadly triangular and rugose-punctate. *Antennæ* moderately elongate.

The chief differences between this species and its congeners must be sought for in the thoracic angles, form, and sculpture, in the shape of the posterior tibiæ, and in the coloration.

Length,  $2\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  line.

One individual was brought from the Otira Gorge by Mr. T. F. Cheeseman.

2309. **L. calcaratus**, *n.s.* *Shining*, violet-coloured, antennæ black, femora nearly so, but tinged with violaceous, tibiæ and tarsi dark-brown.

*Head* indistinctly punctured on the vertex, the antennal elevations less flattened and expanded than usual. *Thorax* transverse, somewhat uneven and convex, depressed along the front, rugosely punctured, its sculpture irregular; sides well margined, thickened in front, a little rounded medially, but with a slight sinuosity before the rectangular and almost protuberant posterior angles, which are separated from the base by a short oblique space. *Elytra* rugosely punctured, as is also the broad pygidium. *Tibiæ* nearly straight, the anterior with distinct spurs. *Antennæ* moderately elongate.

The rather prominent posterior angles with the sinus in front of each, &c., will lead to the identification of this species.

Length,  $2\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Mount Arthur. T. F. Cheeseman; a single specimen.

NOTE.—This and the five preceding species, as well as No. 1115, form a tolerably homogeneous group or series. They are all more or less metallic and brightly coloured. The elytra are wider than the thorax at the base and still broader behind the middle, there is a depression just inside each shoulder, the extremity is rounded, and their sculpture is very similar.

2310. **L. princeps**, *n.s.* *Elongate*, nitid, rufo-violaceous, with a golden tinge on the thorax, antennæ and legs nearly black.

*Head* nearly smooth behind. *Antennæ* long, three-fourths the length of the body. *Thorax* much shorter than broad, depressed on

the middle near the apex, its sculpture rather coarse, consisting of rugosities and punctures; its sides slightly curvate, distinctly margined, the margins of nearly equal thickness throughout, posterior angles not prominent. *Scutellum* rather broad and smooth. *Elytra* elongate, somewhat attenuated posteriorly, apices well rounded, intrahumeral impressions not deep, strongly rugose-punctate. *Legs* elongate, hind tibiæ curved.

The rich metallic coloration and rather elongate outline render its recognition easy. It is the finest New Zealand species.

Length,  $2\frac{1}{2}$  lines; breadth, 1 line.

One example, not in good condition, was found by Mr. G. M. Thomson on Mount Tyndall, at an elevation of about 6,000ft.

2311. **L. monticola**, *n.s.* *Oblong*, rather elongate, shining; of a variable dark-bronze hue, thorax and shoulders sometimes rufescent; antennæ blackish, but with three or four of their basal joints often pale-brown; femora pitchy-brown, their extremity, the tibiæ, and all except the terminal joints of the tarsi, fusco-testaceous.

*Thorax* transverse, nearly parallel laterally, side margins somewhat thickened at the front and hind angles, these latter not prominent but with an oblique space between them and the base; dorsum a little uneven, not coarsely rugose-punctate, the wrinkles placed for the most part between the middle and the base, with more or less evident smooth spots near the centre. *Elytra* widest behind, base depressed near each shoulder, rugose-punctate. *Antennæ* moderately long. *Legs* stout, posterior tibiæ but little arcuate; the two basal joints of the tarsi slender at base but expanded apically. *Underside* æneo-niger.

Most nearly approaches *L. oleareæ* in form and sculpture, but the colour of the legs at once differentiates it from our allied species.

Length,  $1\frac{3}{4}$ –2 lines; breadth,  $\frac{3}{4}$ – $\frac{7}{8}$  line.

Mount Maungatua, Taieri. Several specimens, received from Mr. S. W. Fulton.

2312. **L. fuscatus**, *n.s.* *Shining*, testaceo-fuscous; the thorax, sutural region of the wing-cases, as well as an elongate mark behind, on each elytron, sometimes dusky.

*Thorax* transversely quadrate, slightly narrowed towards the base, finely margined, anterior angles but little incrassate, posterior obtuse; disc a little convex, sparingly and lightly punctured. *Scutellum* small. *Elytra* elongate-oblong, narrowed anteriorly, apices strongly rounded, so that they do not touch at the sutural region, depressions near the shoulders moderate; their punctation not at all coarse but a little rugose. *Pygidium* not very perceptibly punctate. *Legs* rather slender, tibiæ almost straight. *Antennæ* not very elongate in the female, longer in the other sex.

In general appearance most like No. 1113 (*L. nitidicollis*); the antennal tubercles less flattened; thorax less curvedly contracted behind, and therefore more quadrate, its base not in the least rounded



and less convex; hind-body more elongate, and less widened posteriorly.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Mount Egmont, elevation 3,200ft.

2313. **L. sordidus**, *n.s.* *Subdepressed*, suboblong, shining; infusate, elytra pale-brown irregularly stained with linear dusky marks.

*Prothorax* broader than long, yet not very much so, lateral margins fine, front angles thickened, the posterior obsolete, sides a good deal curvate; disc convex, finely and not closely punctured, bearing an impression near each side. *Scutellum* small. *Elytra* oblong, widest behind, apices well rounded, basal impressions elongate; they are moderately punctured, slightly rugose, and appear as if clothed with exceedingly minute, almost imperceptible, brassy setæ. *Pygidium* broad, closely yet finely sculptured. *Tibiæ* just about straight.

This is nearly related to *L. vulgaris*, but with a larger and less transverse thorax which is more rounded laterally, and with the apices of the wing-cases more strongly curvate individually towards the suture.

Length,  $1\frac{7}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Mount Egmont, elevation 3,500ft.

2314. **L. truncatus**, *n.s.* *Nigro-fuscous*, shining; the tibiæ and basal joint of antennæ fusco-testaceous, the remaining articulations, and the thighs, darker.

*Thorax* transverse, very finely marginated, base and sides rounded, front angles thickened, posterior blunt; dorsum convex, rather distantly and not coarsely punctured. *Antennæ* rather short. *Scutellum* small. *Elytra* elongate-oblong, scarcely wider between the hind thighs than elsewhere, narrowed behind, apices obliquely truncated towards the suture, leaving an evident gap there, base slightly incurved; without distinct depressions near the shoulders, these latter, however, a little elevated and smooth; their punctation close, not very coarse, and slightly rugose. *Tibiæ* hardly at all arched, their terminal spurs well developed.

This species cannot be easily mistaken. The apices of the elytra most nearly resemble those of *S. thoracicus* and *S. nigripes*, but these two species are, nevertheless, essentially different.

Length,  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Otira Gorge, Canterbury. One only, for which I am indebted to Mr. T. F. Cheeseman.

2315. **L. nigricornis**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, Nov., 1886.) *Niger*, vertice fusco, thorace testaceo, elytris albido-testaceis, dense punctatis, sutura margineque externo omnium angustissime nigris.

Long.,  $4\frac{1}{2}$ –5mm.

*Antennæ* black, basal joint but little swollen, third joint longer than second, fourth much longer than third; each of the joints towards the extremity three or four times longer than broad. *Head* black in front, the vertex brown. *Thorax* yellow, nearly twice as long as broad, much narrower than the elytra; its sides nearly straight, simply margined, without denticle at anterior angle; the surface appears smooth, but is really rather closely punctate, though the punctuation is quite obsolete. *Scutellum* black. *Elytra* very pallid, but with the suture as well as the outer margin just visibly marked with black; they are finely but extremely densely punctate, almost rugulose, the apex broadly rounded. The *legs* and under-surface are black; the hind-body sometimes fuscous towards extremity.

Grey-mouth. Helms. One of the sexes appears to be rather larger, with the antennæ slightly more elongate.

2316. **L. ænescens**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886.) *Elongatus*, depressus, æneus, antennis pedibusque fusco-testaceis; prothorace fere impunctato, elytris crebre minus subtiliter punctatis.

Long., 4mm.

*Antennæ* very slender, elongate, joints 4-11 subequal to one another, the former slightly the longer; basal joints not much swollen. *Thorax* twice as broad as it is long, only very indistinctly and sparingly punctate, the punctuation a little more distinct on the basal portion, the sides slightly narrowed behind, the front angle a little thickened and prominent. *Elytra* parallel, closely and not finely punctured, with a slight depression at the base within the shoulder; the apices broadly rounded; the long narrow pygidium projects horizontally beyond the elytra, and is impunctate. *Legs* infusate-yellow, the base of the femora clear-yellow. This is excessively similar to the numerous European species of the *L. rufipes* group, but has a much more elongate basal joint to the antennæ.

Bealey. Helms.

2317. **L. puncticollis**, *n.s.* (Sharp; *Trans. Roy. Dub. Soc.*, Nov., 1886.) *Minus* gracilis, nigricans, supra cum antennis pedibusque testaceis; prothorace elytrisque fortiter punctatis.

Long., 4½mm.

*Antennæ* rather short and stout, sordid-yellow. *Thorax* transverse, the sides rounded, the anterior angles not prominent, the base oblique on either side near the very obtuse posterior angles, the surface shining, coarsely moderately and closely punctate. *Elytra* coarsely and closely punctate; apices rounded, leaving extremity of body exposed. *Legs* yellow; hind tibiæ not curvate.

This is very different from the other species. Otira; Wakefield.

Obs.—Dr. Sharp having expressed an opinion to the effect that he had been unable to distinguish *Adoxia* from *Luperus*, the former

name had better be abandoned, and its species therefore must be placed with those described above. The genus *Luperus* will now include the following New Zealand species:—

<i>L. vulgaris</i> (No. 1108), <i>Broun.</i>	<i>L. sulcifer</i> , <i>Broun.</i>
<i>L. attenuatus</i> (No. 1109), "	<i>L. rectipes</i> , "
<i>L. thoracicus</i> (No. 1110), "	<i>L. calcaratus</i> , "
<i>L. nigripes</i> (No. 1111), "	<i>L. princeps</i> , "
<i>L. nigricans</i> (No. 1112), "	<i>L. monticola</i> , "
<i>L. nitidicollis</i> (No. 1113), "	<i>L. fuscatus</i> , "
<i>L. æneus</i> (No. 1114), "	<i>L. sordidus</i> , "
<i>L. viridis</i> (No. 1115), "	<i>L. truncatus</i> , "
<i>L. oleareæ</i> , "	<i>L. nigricornis</i> , <i>Sharp.</i>
<i>L. rugicollis</i> , "	<i>L. ænescens</i> , "
<i>L. brevicollis</i> , "	<i>L. puncticollis</i> , "

T.B.

### *Allastena.*

*Nov. gen.*

*Luperus* is an allied genus; in facies, indeed, both are much alike; the two following species possess, however, three or four characters in common which at once differentiate them from *Luperus*.

The posterior *tibiæ* are curved in a direction just the reverse of that seen in *Luperus*, they are considerably thickened towards the extremity, and the protuberant and almost cavernose apex is peculiar. The basal joint of the hind *tarsus* is compressed laterally, so that its greatest bulk is from above downwards; that of the others is a good deal expanded, but flattened above; the *claws* are small, and apparently not appendiculate.

Perhaps the best illustration I can afford as to the structure of the basal articulation of the posterior tarsi is that of No. 1457 (*Zeo-pæcilus opulentus*), one of the *Geodephaga*.

2318. *A. nitida*, *n.s.* *Glossy*, æneous, legs and first antennal joint testaceous, the other joints darker, the extremity of joints 5–11 blackish.

*Thorax* broader than long, yet not very transverse, its sides finely margined and but little curved, front angles thickened, posterior obtuse; the surface slightly uneven, rather finely and distantly punctured. *Scutellum* small, smooth. *Elytra* elongate-oblong, very little distended behind, their apices, individually, strongly rounded; they bear a few short grey hairs, have a depression near each shoulder, and are rugosely punctate. *Pygidium* short and broad, nearly smooth. *Antennæ* stout, not very elongate, first joint not much inflated, second shortest, each of the others twice as long as broad. *Legs* robust; hind *tibiæ* much arcuate inwardly, and somewhat thickened towards the apex; basal joint of intermediate and anterior tarsi much broader than in *Luperus*.

Though resembling *Luperus monticola* in some respects, it is decidedly narrower.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$  line.

I am indebted to Mr. S. W. Fulton, of Outram, for the only specimen I have seen. He found it on Mount Maungatua.



2319. **A. quadrata**, *n.s.* *Shining*, bronzed-black, tibiæ and three basal joints of antennæ testaceous, the remaining joints of these latter brown, but with the apex of each still darker, femora infusate.

*Thorax* transversely quadrate, finely margined and nearly straight laterally, anterior angles thick, the posterior nearly rectangular; its disc moderately finely and sparsely punctured, more closely near the sides. *Scutellum* well developed, smooth. *Elytra* quite as broad at the base as behind, narrower near the middle, apices obliquely curved towards the suture; their surface closely punctated, but not very evidently rugose. *Antennæ* stout.

The *hind-body* differs in form from that of the typical species; the thorax is rather longer; the scutellum is more exposed; the legs are similar in structure, but the basal joint of the anterior tarsus is more expanded.

Length,  $1\frac{3}{8}$  lines; breadth, quite  $\frac{1}{2}$  line.

Mount Maungatua, Otago. Mr. S. W. Fulton; one example.

## Group—EROTYLIDÆ.

### Cryptodacne.

2320. **C. pubescens**, *n.s.* *Shining* chestnut-red; clothed with distinct, moderately elongate, yellow hairs.

*Head* with a few small punctures near the sides and in front. *Antennæ* elongate, second joint but little more than half the length of the third, sixth smaller than the contiguous ones. *Thorax* slightly broader than long, its sides almost straight, not wider in front than behind; with two finely and distantly punctured longitudinal areas, the middle smooth, most of the sides also smooth, there being only a few rather scattered punctures. *Elytra* with several series of fine but rather elongate punctures. *Legs* stout, normal.

About half the bulk of *C. synthetica*; the thorax not so wide, proportionally, near the front; it may be easily identified by means of the obvious pubescence.

Length,  $1\frac{3}{8}$  lines; breadth, quite  $\frac{1}{2}$  line.

Moeraki. One individual, from Mr. Sandager.

## Group—COCCINELLIDÆ.

### Coccinella.

2321. **C. coriacea**, *n.s. (?)*. *Subhemispherical*; black, head and thorax a little shining; elytra subopaque; antennæ, palpi, and tarsi infusate; with yellow spots.

*Head* finely and indistinctly punctured, without spots. *Thorax* with a broad shallow impression near each hind angle, with a very transverse spot near each anterior angle, its punctuation very fine. *Elytra* densely covered with fine, irregular, minute rugosities, so as

to appear coriaceous; humeral spots narrow and elongate, the two basal small, angulate, and exhibiting two or three short striæ; there are six median spots, four behind these, and two at the apex, near the suture. *Legs* sparingly clothed with grey hairs.

Although I consider this to be a variety only of *C. tasmanii*, I have given it a name in case future research should prove it to be a distinct species. The elytral sculpture, absence of spots on the head, and reduction in size of the spots on the wing-cases give the insect a peculiar appearance.

Length, 2; breadth,  $1\frac{3}{8}$  lines.

Mount Cook, near the Hermitage. One example, forwarded by Mr. H. Suter.

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# NEW ZEALAND COLEOPTERA.

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## PART VI.

### Group—CNEMACANTHIDÆ.

#### *Metaglymma* (Gen., p. 10).

2323. *M. rugipenne*, n.s. *Pitchy-black*, shining; legs and antennæ pitchy-red.

This, no doubt, is nearly related to *M. monilifer*, but the head is more or less uneven and wrinkled. The eyes are prominent. The mandibles are elongate, and are marked with wrinkles and punctures. The antennæ reach the middle of the thorax, the second and third joints are evidently longer than the following ones, and the fine pubescence is almost entirely confined to the four terminal joints, being scanty even there. The thorax is about one-fifth broader than long, is widest near the front, though only very little narrowed for about two-thirds of its length, beyond which the posterior contraction is generally rather abrupt; the basal angles are thick; the margins are explanate and somewhat rugose, with six or seven setigerous punctures along each side; the dorsal furrow becomes obsolete near the base and apex, the latter is more feebly incurved than the former; the basal fossæ are large, and the surface generally is finely wrinkled. The elytra are slightly narrowed towards the shoulders, the striæ are tolerably deep and regular, they touch the base, but become confused or rugose near the apices, the punctures in the grooves are much coarser near the sides than they are near the suture; the interstices are rugose, so much so in some examples that the punctures in the striæ are less apparent than the interstitial rugosities. The external apical prolongation of the anterior tibiæ is thick and oblique, that of the intermediate pair is well developed, the posterior pair are only slightly produced. The last segment of the abdomen is transversely wrinkled, and has four setigerous punctures. There are two oblique and one median depressions on the prosternal process. Underside glossy.

*M. tersatum* is another nearly-allied species; it has, however, only four hispid punctures on the labrum, instead of six as in this species.

♂. Length, 8; breadth,  $2\frac{3}{4}$  lines.

Ashburton, Canterbury. Mr. W. W. Smith has been kind enough to send me three examples which he found under cakes of dry manure near the side of the river.



2324. *M. thoracicum*, *n.s.* *Black*, moderately shining, legs and antennæ pitchy-red.

*Head* not constricted behind, with but few rugosities; *eyes* small but very convex, rather distant from thorax. *Antennæ* attaining the middle of thorax, second joint as long as third, the yellow pubescence very scanty. *Thorax* about one-seventh broader than long, hardly at all broader in front than it is at the commencement of the rather gradual posterior contraction, hind angles obtuse; lateral margins rather narrow, apex widely but only slightly arcuate-emarginate, middle of base moderately; basal fossæ large; median groove obsoletely punctured, not touching the basal margin but extending through a distinct apical impression; its surface without other marks. *Elytra* oblong, shoulders rounded, rather deeply and regularly punctate-striate, the punctuation coarser near the sides, apical sculpture not so deep but nearly as regular as that of the disc, interstices smooth. *Tibiæ* stout, the front pair with a straight but not acute terminal prolongation, outer extremity of middle pair moderately produced, the posterior only thickened, not prolonged.

*Underside* smooth. Four setigerous punctures at extremity.

*M. monilifer* has broader thoracic margins. The thorax is unusually narrow in front, being somewhat similar to that of *M. rufipes* in shape. This species is, however, quite distinct from *M. rufipes*.

♂. Length,  $7\frac{1}{8}$ ; breadth,  $2\frac{1}{2}$  lines.

Moeraki, Otago. One example, found by Mr. Sandager in his garden.

## Group—FERONIIDÆ.

### *Trichosternus* (Gen., p. 31).

2325. *T. smithii*, *n.s.* *Glossy*, viridi-æneous, head nigrescent, legs pitchy-black; tarsi and palpi piceous, these latter paler at the extremity; underside shining-black.

Closely allied to *T. sylvius*, but differing therefrom in the broader, deeper, and more evidently punctured striæ of the *elytra*, which, moreover, have the third, fifth, and seventh interstices wider. The *thorax* is one-fifth broader than it is long, arcuate-emarginate in front, medially incurved at the base; the slight lateral sinuation extends to the posterior angle, which is only minutely prominent; the fore part is convex, but the basal region is depressed between the foveæ, the median groove almost touches the apex; the sides are moderately rounded, the base is quite the width of the apex, and the disc is rather more convex than it is in *T. sylvius*. The three punctures on the third interstices are well marked, as are also those on the seventh.

Female similar, elytral interstices not so convex.

The prosternal setæ are present. Scutellum striate at base. Terminal ventral segment with four setigerous punctures along the apex in both sexes.

Length,  $8\frac{1}{2}$ ; breadth, 3 lines.

Ashburton. Described from a pair found amongst *Phormium tenax* by Mr. W. W. Smith, whose name it bears.

2326. **T. hampdenensis**, *n.s.* *Shining* æneo-viridis, sometimes quite brilliant, underside black tinged with green, legs and trochanters piceo-rufous, antennæ and palpi more rufescent.

This species is nearly related to No. 1687, but is larger and more brilliant, and is distinguishable by the strongly dentiform humeral angles, which in No. 1687 are only very slightly prominent. The *head* is large and almost smooth, the frontal impressions are shallow; the labrum is truncate; the eyes are prominent, with rapidly-contracted orbits. The *thorax* in width exceeds the length by about one-fourth, it is incurved at the base and apex; its sides are moderately strongly curved and not deeply sinuated posteriorly, and the hind angles are slightly projecting; the marginal channels are rather deep and broad, more so than in No. 1687; its widest part is just before the middle, and the base is quite as broad as the front; there is a well-marked curvate frontal impression where the distinct dorsal furrow terminates, the basal fossæ are large and the intervening space is somewhat depressed. *Elytra* very little curved laterally, with fine but distinct punctures in the rather strongly impressed striæ; interstices convex, the alternate ones slightly broader than the others, the third with three, the seventh with five or six, punctures. *Legs* moderately stout, hind tibiæ very slightly twisted.

Prosternum with setæ at tip. Scutellum striate at base. Last segment with a row of four hispid punctures in each sex.

♂. Length,  $10\frac{1}{2}$ ; breadth,  $3\frac{1}{2}$  lines.

Hampden, near Moeraki. Found under logs by Mr. Sandager.

2327. **T. haplopus**, *n.s.* *Suboblong*, only a little convex, shining, quite black, legs and antennæ rufo-piceous, tarsi and palpi reddish.

*Head* of moderate size, nearly smooth, frontal impressions shallow. *Thorax* one-fourth broader than long, widest near the front, its sides only moderately rounded, sinuously narrowed behind, the basal angles blunt, just rectangular; the dorsal groove is well marked almost to the apical margin, the curvate frontal impression is distinct, the basal fossæ are large, and the intervening space is depressed; there are numerous very faint linear marks across the surface. *Elytra* nearly twice as long as they are broad, their sides but little curved; they are not deeply striate, the punctures are very small, the four sutural, on each, are rather wide and uninterrupted at the apex, but all are more or less feeble at the base; the interstices nearly plane, the third with three, the seventh with six or seven, setigerous punctures. *Legs* stout, simple.

Larger and flatter than *T. hampdenensis*, not in the least æneous; the *eyes* are not so prominent, the genæ are swollen below them; the sides of the *thorax* are less rounded, and its base and apex are less incurved; the elytral sculpture too is different. The

other black species are distinguishable by tolerably well-marked characters.

The *scutellum* striate at base. *Humeral angles* dentiform and projecting. One setigerous *seta* near each side of the last abdominal segment. There is only one seta on the tip of the *prosternum*.

♂. Length, 11; breadth,  $3\frac{3}{4}$  lines.

Hampden, Otago. Mr. Sandager.

### Pterostichus.

2328. **P. disparalis**, *n.s.* *Elongate-oblong*, subparallel, slightly convex; shining, black, legs and basal joints of antennæ nigropiceous, palpi and tarsi pitchy-red.

*Thorax* subquadrate, one-sixth broader than long, the sides only a little narrowed behind the middle, posterior angles rectangular, apex subtruncate, middle of base emarginate; the dorsal groove well marked and nearly reaching the front; basal fossæ deep, not elongate and narrow as in No. 1149 and its allies, and with a second smaller one near each angle separated from the larger one by a slightly-raised space, the disc with faint transversal impressions. *Elytra* nearly quite oblong, just a little narrowed towards the moderately dentiform shoulders; very regularly and rather deeply striate; the striæ finely, quite distinctly, but not closely punctured; interstices slightly convex. *Legs* remarkably short and stout, hind femora inflated, angulated and dentiform below, the hind tibiæ evidently curved. The mandibles and sides of the head are finely wrinkled.

This species comes near No. 1148, which, however, is a larger insect.

*Thorax* with two setæ on each side. *Scutellum* deeply striate. Last segment with one hispid puncture near each side.

♂. Length,  $5\frac{1}{2}$ ; breadth,  $1\frac{5}{8}$  lines.

Moeraki. One male, sent by Mr. Sandager.

OBS.—A similar form occurs at Taieri, with a rather shorter thorax, which is slightly emarginate in front, and with the elytral striæ less regular and not so deep.

Female.

2329. **P. suteri**, *n.s.* *Elongate*, not parallel-sided, a little convex; glossy black; legs, antennæ, and palpi piceo-rufous.

*Thorax* one-eighth broader than long, the sides moderately rounded, distinctly sinuated behind the middle, so that the basal angles, though really just rectangular, appear to project a little; the base is as wide as the front; the apex is feebly, the base evidently, incurved; the surface exhibits faint striolæ, basal fossæ large, not distinctly duplicated but somewhat flattened externally, and separated by a raised but not carinate space from the rather deep and broad marginal channels, median furrow well marked and scarcely at all abbreviated. *Elytra* elongate-oblong, sinuously narrowed behind, rather deeply and regularly grooved, the striæ moderately



punctated, interstices somewhat convex, the third rather broader than the others, and with three or four setigerous punctures. *Legs* moderate, posterior femora a little swollen but not angulate.

Female, sculpture of elytra less distinct.

Thorax with four lateral setæ, but in one example the seta on the hind angle is rubbed off. Scutellum striate at base. Humeral angles not distinctly directed outwards, but the basal margin is raised in front, so that the shoulders seem more dentiform than is actually the case. The male with one, the female with two, setigerous punctures at each side of the middle of the last ventral segment.

♂. Length, 8; breadth,  $2\frac{5}{8}$  lines.

Dyer's Pass, Port Hills, Canterbury; elevation 900ft. One pair, sent by Mr. H. Suter, in whose honour the species is named.

2330. ***P. sinuellus***, *n.s.* Shining, black; tarsi, antennæ, and palpi pitchy-red.

Somewhat similiar to *P. suteri*; the thorax, however, is very different, being one-fifth broader than it is long, it is widest near the front; the sides are well rounded, gradually narrowed behind, with a short but well-marked sinuosity close to the base, so that the hind angle is decidedly projecting, the angle in fact seems to be directed forwards as well as outwards; the middle of the base is emarginate, but each side of it is oblique; the basal foveæ are large but simple, the space between each and the side is almost plicate (obtusely raised), the dorsal channel does not attain the apex, and the undulating discoidal striæ are indistinct except near the base. The *elytra*, though oblong, are more rounded along the sides than they are in *P. suteri*, the shoulders are slightly dentate, the striæ are not apparently punctate, they are not deep, and, moreover, they are, here and there, irregularly interrupted. The *legs* are moderately elongate, the hind thighs are not much incrassate, certainly not dentate underneath. The *genæ* are somewhat swollen behind and below the eyes. The scutellar striolæ are short in both species.

The thoracic angles and sinuosities distinguish this from all the other species of the group with four lateral setæ. There is one puncture on each side of the middle of the apical segment. The scutellum is striate at base.

♂. Length, 9; breadth, nearly 3 lines.

Dyer's Pass. One example, from Mr. Suter.

2331. ***P. sculptipes***, *n.s.* *Elongate*, subparallel, slightly convex, moderately shining; black; legs, antennæ, and palpi pitchy-black, tips of these last rufescent.

*Head* distinctly and irregularly wrinkled. *Thorax* subquadrate, hardly any broader than it is long, only slightly curvate laterally, the sides not sinuate behind, about as wide in front as at the base, apex widely, the base more strongly incurved, posterior angles rectangular; its whole surface rather deeply wrinkled longitudinally

in front and behind; dorsal groove broad and deep, barely touching the basal margin; basal fossæ large, placed nearer the sides than the middle, and with an indistinct smaller impression beyond. *Elytra* strongly sinuously contracted behind, apices broadly rounded, the sides a little narrowed towards the base; each elytron with eight series of elongate impressions, the external marginal, these impressions irregular, and, more or less, united longitudinally by slender, linear, interrupted striæ, the sculpture more indefinite behind; interstices slightly uneven and feebly wrinkled.

*Femora* and trochanters deeply rugose; the sternum finely wrinkled; hind thighs inflated, but not angulate below.

Thorax with five or six lateral setæ, its side-margins thick and subrenate. Humeral angles obviously dentiform. Terminal segment of the abdomen strongly sinuate at each side, obliquely truncate towards the middle, with three hispid punctures at each side of the middle.

*P. irregularis* is the only near ally.

♀. Length, 9; breadth, 3 lines.

Hastwell, Napier. One, found by Mr. H. Suter.

2332. **P. edax**, *n.s.* Brilliant, black, tarsi and antennæ nigro-piceous, palpi paler.

*Head* with uneven, obsolete-punctured frontal impressions. *Eyes* prominent. *Thorax* one-seventh broader than long, apex subtruncate; its sides moderately regularly rounded, but with a slight, though not short or abrupt, sinuation towards the rectangular posterior angles, the base and apex of nearly equal width; the surface somewhat convex and uneven, with shallow transversal striæ, a curved frontal impression, and a fovea-like one near each anterior angle; dorsal furrow barely reaching the apical margin; basal foveæ large, situated midway between the middle and the sides, subpunctate or rugose, each with a narrow elongate one beyond, separated from the lateral margin by a raised space; base incurved medially. *Elytra* oblong, the sides slightly curved and narrowed towards the moderately dentiform shoulders, strongly sinuate apically; finely irregularly striate, the punctuation fine but distinct, the sculpture ill-defined behind, the surface there uneven; interstices impunctate, slightly convex, the second narrowed near the middle with a corresponding enlargement of the first and third, the sixth more or less catenulate, the seventh a little more elevated towards the base than the others are; the sutural striæ become obsolete near the base and bend outwards, so that the second interstices are much narrowed there; the other striæ converge by pairs, and become indistinct, towards the base; the scutellar striolæ are represented by punctures. *Legs* simple; hind thighs not much inflated, not angulate below.

This is a rather distinct species, so far as I can judge by the example before me.

*Scutellum* smooth where visible. *Thorax* with two setæ on each side, one at the hind angle, the other before the middle but duplicate

on one side. There is one setigerous puncture on either side of the middle of the last abdominal segment.

♂. Length,  $6\frac{1}{2}$ ; breadth,  $2\frac{1}{8}$  lines.

Dusky Bay, Otago. One specimen.

## Group—ANISODACTYLIDÆ.

### Zabronothus.

*Nov. gen.*

*Body* nearly oblong-oval. *Mentum* with a distinct, simple median tooth. *Palpi* elongate and slender, with acuminate terminal joints; second articulation of the labial strongly bisetose, longer than the third. *Eyes* not at all prominent. Front *tarsi* of the male with the three basal joints dilated, the second and third cordiform, their soles with squamæ and some long hairs; these three joints moderately, but not acutely, prolonged at the inner extremity: intermediate *tarsi* simple. *Tibiæ* not asperate, the front pair armed with a robust calcar; the posterior strongly arcuate in both sexes, somewhat dilated apically, with two long spurs. There are two orbital *setæ*, two very long ones on the forehead, and six on the large truncate labrum. *Mandibles* stout, obtusely dentate medially. *Thorax* transversely subquadrate, finely margined, resting on the elytral base; it bears one seta on each side near the middle. *Scutellum* large, simple. *Elytra* broader than thorax, with marginal punctiform impressions, their striæ sharply defined; they are narrowed but only feebly sinuated posteriorly. *Epipleuræ* with carinate outer and inner margins, these converge behind, without a distinct oblique groove. The *antennæ* extend backwards beyond the base of the thorax, their three basal joints are glabrous, the third about equals the fourth in length. There are two setæ near the middle of the four basal segments of the *abdomen*.

The genus may be located in the Anisodactylidæ at present. It agrees in some respects with *Zolus*, as regards the structure of the sternum for instance.

2333. **Z. striatulus**, *n.s.* *Nigro-piceous*, slightly nitid; legs, antennæ, palpi, labrum, and mandibles pitchy-red, tarsi red; body moderately convex, not broad.

*Head* about half the width of the thorax, without well-marked impressions. *Thorax* one-fifth broader than long, widest near the middle, about as much narrowed in front as it is behind, moderately rounded laterally, very slightly sinuated towards the rectangular but not at all prominent posterior angles, side margins narrow, apex subtruncate, base medially emarginate; dorsal groove rather fine, not attaining the apex; basal foveæ elongate and sulciform but quite indistinct, placed between the middle and the sides, the discoidal sculpture obsolete. *Elytra* finely margined, humeral angles only slightly dentiform, their sides moderately rounded; they have fine,



regular, impunctate striæ, which barely touch the base; interstices simple, not convex, without apical plicæ. *Legs* moderately elongate, tibiæ with short setæ; middle and hind tarsi feebly furrowed above.

Length, 4; breadth,  $1\frac{5}{8}$  lines.

Dyer's Pass, Canterbury. I am indebted to Mr. Suter for two males and one female.

2431. **Z. rufipes**, *n.s.* *Black*, shining; legs, antennæ, labrum, and palpi ferruginous.

Rather smaller than the typical species; the *head* with two obvious, transversal, interantennal impressions; eyes more, almost quite, prominent; the *thorax* more quadrate; the sides slightly and gradually narrowed, but not sinuate, behind the middle, posterior angles rectangular but not acute, basal impressions narrow and elongate, quite distinct; *elytra* subovate, more sharply striate.

♂. Length,  $3\frac{3}{8}$ ; breadth,  $1\frac{3}{8}$  lines.

Mr. G. V. Hudson sent me a specimen, mounted on cardboard, some time ago. I do not know where he found it.

## Group—HYDROPORIDÆ.

### (Bidessini.)

*Hind coxæ* soldered completely to the ventral segments, so that the undersurface of the body from the front of the metasternum to the hindmargin of the third ventral segment consists of one rigid piece. This character distinguishes the group from all other beetles.

The posterior articular cavities are not contiguous, and are not protected by the coxal processes; they open directly on the undersurface of the coxæ, and are separated from one another by the coxal processes, which are completely adpressed to the level of the ventral segments.

The hind coxæ are always large, with greatly-arched anterior border. This development of the coxæ is sometimes extreme.

In *Huxelhydrus* the prosternum is less reduced than in any of the other genera. In *Bidessus* and *Huxelhydrus* the slender hind tibiæ are a little bent near the base, and become a little thicker towards the apex.

### **Bidessus.**

(Sharp; *Aquatic Coleop.*, p. 344.)

*Prosternal process* longer than broad, parallel-sided, but with a more or less acute extremity, which attains the metasternum; intercoxal process of *metasternum* not attaining the mesosternal fork, so that when the prothorax is taken away it may be seen that the middle coxæ touch one another; posterior *tibiæ* with the basal portion much more slender than the apical one. *Coxal lines* longer than prosternal process. Hind coxæ longer than broad, under-

surface with but little coarse punctuation; apex of elytra but little acuminate. *Elytra* with a basal plica, which is continued on to the base of the thorax either as a short punctiform impression or as a distinct line. Wing-cases destitute of a distinct sutural stria.

2334. **B. impressus**, *n.s.* (Sharp; *Aquatic Coleop.*, p. 360.) *Oblongo-ovalis*, lævigatus, pernitidus, testaceus, subtus nigricans, elytris fusco-testaceis; his crebre distincte punctatis, punctis versus latera apicemque obsoletioribus; prothoracis lateribus fere parallelis; antennis (præsertim in femina) crassiusculis.

Long., 3mm.; lat., vix  $1\frac{1}{2}$ mm.

The male has the front and middle *tarsi* moderately dilated, and the antennæ longer and more slender than in the female.

*Hab.* New Zealand.

2335. **B. plicatus**, *n.s.* (Sharp; *Aquatic Coleop.*, p. 360.) *Oblongo-ovalis*, lævigatus, nitidus, castaneo-testaceus; elytris sat crebre et fortiter punctatis, punctis lateribus et apice subtilioribus; prothoracis lateribus subparallelis.

Long., ♂  $2\frac{1}{2}$ mm., ♀  $2\frac{1}{4}$ mm.; lat.,  $1\frac{1}{4}$ mm.

Closely allied to *B. impressus*, but smaller and more pallid, and with the antennæ of the female considerably more slender.

The male has the front and middle *tarsi* a good deal more dilated, and the *elytra* are more elongate; the breast and abdomen are black. In the female the *elytra* are short, and not so parallel-sided; the colour of the breast and ventral segments is more or less infusate-testaceous, and the antennæ are rather shorter than they are in the male, but not stouter.

The specimens sent by Mr. Lawson from Auckland are females, and are slightly larger and more distinctly punctured than those sent by Captain Broun. The specimens from the Southern Island also depart considerably from the type in some of the details, and possibly there may prove to be more than one species.

North Island, Captain T. Broun and Mr. Lawson; Christchurch, Wakefield; Otago, Professor Hutton.

2336. **B. huttoni**, *n.s.* (Sharp; *Aquatic Coleop.*, p. 361.) *Oblongo-ovalis*, supra testaceus, subtus nigricans; elytris versus suturam vix fortiter punctatis; prothoracis lateribus subparallelis.

Long., 3mm.; lat.,  $1\frac{1}{2}$ mm.

The male is moderately shining on the wing-cases, and has the front and middle *tarsi* but little dilated. The female has the upper surface dull, and the *elytra* rather shorter and broader than in the male, and its antennæ are stouter.

Although very similar to *B. plicatus*, the two species are easily distinguished when the corresponding sexes are compared; the male of *B. huttoni* has the anterior and particularly the middle *tarsi* almost without dilatation, and can thus be distinguished from the corresponding sex of *B. plicatus*; while the female of *B. huttoni* is readily recognised by its dull upper surface and incrossate antennæ.

Otago. A pair sent by Professor Hutton in 1877.

**Antiporus.**

Nov. gen.

(Sharp; *Aquatic Coleop.*, p. 410.)

Posterior portion of *epipleura* comparatively broad; hind *tibia* punctured on the infero-external aspect; the true fourth joint of front *tarsus* is scarcely visible. The *mesosternal fork* is not connected with the intercoxal process of the metasternum.

Eight species form this aggregate; the individuals are in colour a mixture of black and yellow, in a rather indefinite and variable manner: the *form* is oblong-oval, moderately convex beneath; the surface is densely and evenly punctured both on the upper and under sides, and is not shining, and bears an excessively minute, scarcely visible pubescence. The *eyes* are convex and prominent; the portion of the *head* in front of them is very short, its front edge is variable in form but does not possess a raised margin. The anterior *tibiæ* are slender, and their *tarsi* usually have the joints elongate, and narrow at the base, the third being deeply bilobed, the real fourth joint not visible; the terminal (apparent fourth) joint elongate, and inserted near the base of the third joint. The posterior portion of the *epipleura* is rather broad; there is no definite genicular area, the *epipleura* being punctured up to the point where it becomes contiguous with the prothorax: on the inner face of the wing-case there exists a well-marked ridge; this is not developed into any distinct ligula near the apex, although there is a short more or less distinct prominence on the ridge at the point where the ligula exists in some other genera. The hind *coxæ* have a very considerable anterior extension, as in most species of *Calambus*. The terminal portions of the *coxal lines* are parallel, not turned outwards; the hind legs are slender, and their *tibiæ* are punctate externally. The external sexual disparities are nearly confined to the legs; the males are usually in this respect remarkable.

The species of this aggregate, in form and sculpture, and even in colour, approximate to the *Deronecti* of Europe, and, as in that genus, the wing-cases are frequently denticulate at the tip; the broader hind portion of the *epipleura* separates the aggregate from most of those near it, but approximates it to *Chostonectes*, from which it differs by the shape of the front *tarsi*, which have always an elongate terminal joint, as well as by numerous minor characters, amongst which the fine dense sculpture of the undersurface is conspicuous.

These insects are found only in Australia, Tasmania, and New Zealand.

2337. **A. uncifer**, n.s. (Sharp; *Aquatic Coleop.*, p. 411.) *Oblongo-ovalis*, brevissime pubescens, dense æqualiter sat subtiliter punctatus, subopacus, niger, supra testaceo fuscoque variegatus, antennis pedibusque testaceis; prothorace elytris angustiore; corpore subtus densissime æqualiter punctulato, fere opaco.

Long., 5mm.; lat., 2 $\frac{3}{4}$ mm.



The male is larger than the female, and has the front and middle *tarsi* broadly dilated; the front ones bear each a single claw, which is abruptly curved, and has a tooth at the extreme base; the middle *tibiæ* are a little curved; and the hind femora have near the extremity a large angular dilatation, the apex of which is acute and often a little hooked. Though the species is in most respects allied to *A. wakefieldi* (No. 136), yet it differs by the prosternal process being broader and much less compressed towards the extremity.

Wellington and Dunedin.

## Group—DYTISCIDÆ.

### Homœodytes.

*Nov. gen.*

(*Sharp; Aquatic Coleop.*, p. 703.)

*Coxal lines* absent; unguicular cleft broad and rounded at base. *Prosternum* indistinctly grooved; postero-external angle of hind *femur* acute or spinose.

The individuals are of the usual *Cybister* form, with lateral stripe on the elytra. The *coxal lines* are completely absent, and by this character they depart from all the other *Cybistrini*; the structure of the hind *claws* and their point of insertion are much the same as in *Spencerhydrus*; they differ therefore from *Megadytes* and *Cybister* in this respect; but the structures of the male *tarsi* and of the lacinia of the metasternum agree with the two genera just mentioned. The male *tarsi* have sexual pubescence on the third joint, but not on the two basal joints; female with very dense, fine sexual sculpture on the wing-cases.

Three species are found in Australia and New Zealand.

2338. **H. scutellaris.** (*Sharp; Aquatic Coleop.*, p. 703.)  
*Ovalis*, parum convexus, supra olivaceus, capite antèrius prothoraceque ad latera testaceis, elytris vitta marginali posterius parum arguta testacea; subtus testaceus; pedibus posterioribus piceo-testaceis, femoribus angulo posteriori-externo acute subspinoso; prosterno late obsoletissime sulcato.

Long., 26mm.; lat., 14mm.

In the male the front *tarsi* are small, their *claws* nearly equal and rather short, the palettes of the undersurface are small and oblong, and the pubescent area moderately large; on the intermediate *tarsi* the basal joints are quite bare, but the third one bears a broad patch of rather long, very dense hairs; the *claws* are simple and equal. The female has a dense but rudimentary and obsolete sexual sculpture on the wing-case, consisting of excessively fine, short, and dense, irregular or curved scratches; these are most distinct at the base, become obsolete before the apex, and also towards the suture and lateral margin.

The species varies somewhat in size, and in the colour of the upper surface, which shows sometimes a distinct metallic reflection;

while sometimes the scutellum is more or less flavescent. The yellow colour of the undersurface is sometimes somewhat embrowned in parts, this being perhaps due to decomposition. The spine at the outer angle of the hind femora is sometimes more prolonged and distinct than in other cases. The sulcation of the prosternum is peculiar, and seems to be formed by two very obsolete slightly-raised lines, proceeding from each front angle of the middle portion, and extending backwards about as far as the lower part of the coxæ.

Australia, Tasmania, and New Zealand.

141. **H. hookeri.** (*Sharp; Aquatic Coleop.*, p. 704.) *Ovalis*, sat convexus, supra niger, capite antèrius prothoraceque ad latera testaceis, elytris vitta marginali, posterius angustissima, testacea; subtus nigro-piceus, pedibus anterioribus testaceis, femoribus in medio piceis, pedibus intermediis piceo-testaceis; femoribus posterioribus angulo posteriori-externo acuto, parum producto; prosterno angusto obsoleteque sulcato.

Long., 25mm.; lat., 13mm.

This species is closely allied to *H. scutellaris*, but is readily distinguished by the colour of the undersurface; the groove of the prosternum, though formed in a similar manner to that of *H. scutellaris*, differs by the lines which bound it becoming more approximate, and also by its being continued along the prosternal process. The sexual characters in male and female are almost identical with those of *H. scutellaris*. The few specimens I have examined show very little variation.

New Zealand.

## Rhantus.

(*Sharp; Aquatic Coleop.*, p. 899.)

*Side pieces* of the fourth and following ventral segments very narrow; *metasternal groove* distinct and well defined, and the terminal joint of the hind *tarsus* not longer (or but little longer) than the preceding one.

The forty species are distinguished constantly from their allies by the above characters, as well as by two others which are not quite so constant: these are, first, that the *prothorax* has a distinct lateral margin; and, second, that the swimming *legs* are rather well developed, the femora having their undersurface forming a developed lamina towards the extremity. The *coloration* of the upper surface usually is yellow, with black specks on the wing-cases, but in some species it is entirely black, and in other cases nearly so; where the wing-cases are nearly but not entirely black it is generally the margins that are pale, and the black colour seems to have been produced by a coalescence of the black specks. The *prosternal process* is moderate in length, never elongate, nor very short, and neither slender nor broad, always distinctly compressed. The *metasternal groove*, though not elongate, is perfectly well developed, the middle coxæ never being so much approximated as to interfere with its

development, and it has therefore always perfectly distinct sides; the *coxal lobes* are broad, and the division between them extends far forwards; the supra-articular border is narrow; the *coxal lines* are much separated in front; the side wings of the *metasternum* are variable in size, but are never very small. The swimming *legs* are well developed in some species, but are more slender in others, especially in *R. pacificus* and other species placed near the commencement in this arrangement of the species. The hind *tarsi* have the joints lobed beneath externally, but to a variable extent; their *claws* are often extremely unequal in length, but this is not constantly so, and in *R. pacificus* they are very nearly equal; there is no *file* on the second ventral segment; the penultimate abdominal *stigma* is small in comparison with what it is in *Colymbetes*; the prothoracic side margin is usually quite distinct, but it is very fine in *R. plantaris*. The *elytra* are quite rounded at their apex. The male *tarsi* are variable; they always bear palettes beneath, which may be very minute or comparatively large; they are more or less evidently laterally compressed (very little, however, in *R. plantaris*), and the front claws are often very elongate, and frequently unequal.

The genus as a whole is almost or quite cosmopolitan: *R. pulverulosus* has a remarkably wide geographical distribution in the Eastern Hemisphere, and islands of the world, but is wanting in the New World.

2339. ***R. plantaris*, n.s.** (Sharp; *Aquatic Coleop.*, p. 608.) *Ovalis*, sat elongatus, angustulus, nitidus, sublævigatus, subtilissime punctulatus, nullo modo reticulatus, testaceus; pectore, abdomine, et capite utrinque ad oculos nigris; elytris nigro-irroratis, punctis seriatis conspicuis, prosterno in medio minus elevato, processu sat elongato, parum compresso; metasterni lateribus brevibus; tarsis posterioribus elongatis, unguiculis valde inæqualibus.

Long., 10mm.; lat., 5mm.

The male has the front *tarsi* rather broadly dilated, and not compressed, the fourth joint being triangular; they are clothed beneath with four series of narrow palettes, and on the basal portion with short setæ; their *claws* are rather short and stout, and strongly curved, the front one being rather shorter than the hind one; the middle *tarsi* are also dilated and clothed like the front feet, their fifth joint is elongate, but the claws are wanting in the only specimen known. The female is unknown.

Dunedin. Castelnau.

2340. ***R. pulverulosus*, Steph.** (Sharp; *Aquatic Coleop.*, p. 609.) *Ovalis*, haud convexus, nitidus, subtus niger, prosterni processu plus minusve dilutiore, antennis pedibusque anterioribus testaceis, pedibus posterioribus piceis, supra testaceus, vertice nigro rufoque variegato, thorace in medio macula transversa fusco-nigra, elytris creberrime nigro-irroratis; tarsis posterioribus haud elongatis,



articulo quarto inferne haud posterius lobato-producto, unguiculo interno quam externo vix duplo longiore.

Long., 12mm.; lat.,  $6\frac{1}{2}$ mm.

The male has the basal joints of the front and middle *tarsi* a little incrassate and very compressed, and furnished beneath with four rows of narrow elongate palettes; the marginal hairs are but little developed; the claws on the front feet are short but unequal, the anterior one is a little the longer, and is swollen at the base and bent at a little distance beyond the swelling, so as to give the appearance of an emargination close to the base; the hinder one is shorter, and its basal thickening extends for about half the length of the claw; the claws of the middle *tarsi* are longer than those of the front feet, and are rather slender and nearly equal; the inner one, however, is rather shorter than the other, and is distinctly bisinuate beneath.

The Australian specimens are generally larger and in proportion narrower than those from other localities, and often have the front claw on the middle male feet thicker; these differences, however, are neither important nor constant.

Australia, New Zealand, and New Caledonia, common; South Japan, China, Java, Assam, Himalaya, Egypt, Mesopotamia, Algeria, Southern and Central Europe, but wanting or extremely rare in Northern Europe.

## Lancetes.

Nov. gen.

(Sharp; *Aquatic Coleop.*, p. 602.)

Extremity of *elytra* sinuate-truncate. *Palpi* scarcely or not at all emarginate at the apex of the last joint. *Coxal processes* elongate, deeply divided, and much divergent. *Prothorax* margined at the sides. *Prosternum* thickened along the middle, but not vertical in front; its process elongate and acuminate, and received into a well-developed cavity on the intercoxal process of the metasternum. Hind *coxæ* moderately large, but the side wings of the metasternum are also large and not deflexed outside the *coxæ*. The *coxal processes* are very peculiar; the coxal lines are not greatly turned outwards to form the coxal lobes, and at the same time the separation between the two lobes is deep and elongate, so that the processes have a greater extension in the longitudinal direction and a less in the transverse one than is usual, and the base of the articulation of the legs is more imperfectly covered and protected. In all the species (except *L. nigriceps*) it is easily seen that this middle gap is partly filled up by a growth of the excessively fine margin that in the allied groups borders the inner edge of the coxal processes; thus along the inner and upper part of this middle separation of the coxal processes there is seen in *L. lanceolatus* a sort of broad border marked off by a deep suture. The hind *legs* are rather elongate and slender, their femora are but little incrassate, and have a series of setigerous punctures placed along the middle of their undersurface, somewhat

near their outer extremity; their *tarsi* have the hind margins of the joints externally slightly lobed beneath, and are terminated by two claws. The elongated *palpi*, when viewed in one direction, show an evident emargination at their slightly truncate extremity.

Three species are from Chili, one from Buenos Ayres, and one from Australia and New Zealand.

2341. **L. lanceolatus.** (*Sharp; Aquatic Coleop.*, p. 602.) *Ovalis* elongatus, aurantiaco-testaceus, vertice late, prothorace antcrius et posterius in medio, elytris vittis elongatis nigris; elytris subtiliter undulatum strigosulis, punctis seriatis conspicuis, apice subtruncatis; prosterno in medio antcrius sub-prominulo, vix rotundato.

Long.,  $10\frac{3}{4}$ mm.; lat., 5mm.

The male has the basal joints of the front *tarsi* a good deal dilated and moderately compressed, and furnished beneath with rather long hairs and rows of distinct palettes; their claws are rather long and unequal, the anterior one being very slender, while the posterior is stouter and thickened from the apex to the base, and near the base has a sharp projecting tooth; the middle *tarsi* are incrassate and strongly compressed, and furnished beneath with long hairs and palettes. The apical *ventral segment* in this sex is deeply strigose on its apical portion, while in the female these striæ are quite obsolete. There is also a very slight sexual difference in the sculpture of the *elytra*, the female being slightly less shining, and having the sculpture near the shoulders forming more or less distinct, obliquely transverse, elongated scratches.

*Hab.* Australia, Tasmania, New Zealand.

## Group—HYDROPHILIDÆ.

### *Rygmodus* (Gen., p. 79).

2342. **R. limbatus**, *n.s.* *Oblong-oval*, shining, head and thorax nearly black, the sides of the latter broadly rufescent; elytra nigro-cyaneous, with red margins; tibiæ red, femora slightly paler.

This species is most nearly allied to *R. femoratus*. The *thorax* is nearly twice as broad as it is long, very gradually narrowed towards the point, the sides are broadly explanate, and the punctuation is more distinct than it is in *R. femoratus*. The *elytra* are like those of that species, rather broad, with rather deep and distinctly punctured striæ; the margins, however, are quite red; the interstices have fine numerous punctures. There is no well-marked contrast in coloration between the femora and tibiæ. The front margin of the head is only indistinctly raised.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{3}{4}$  lines.

Boatman's. I found a specimen amongst several examples of *R. modestus* which were sent by Mr. A. T. Cavell.

**Stygnohydrus.***Nov. gen.*

*Body* very convex, oval, nearly glabrous above. *Antennæ* 9-articulate, basal joint elongate; second short, subrotundate; joints 3-5 small and slender, sixth small and very transverse; club three-jointed, moderately large, its basal joints transverse. Maxillary *palpi* short, the penultimate joint shorter than those next to it. *Mentum* plane. *Labrum* slightly emarginate, separated from the forehead by a rather broad and deep transverse groove. *Prosternum* concave, scooped out in fact, without a central carina or process. Front *coxæ* elongate and transverse, almost touching each other. *Mesosternum* with a perpendicular lamina or process in front, cariniform above, capable of projection between the anterior *coxæ*. *Metasternum* very short, its frontal process extremely narrow and subdepressed; its hinder portion a little elevated in the middle, triangular, forming an acuminate process which extends about half-way between the nearly contiguous posterior *coxæ*. *Epipleura* remarkably narrow throughout. *Intermediate coxæ* only slightly separated. *Femora* broad, grooved below, all distantly but distinctly punctate and pubescent underneath. *Tibiæ* a little incurved along the inside, with straight terminal spines; the anterior with apical hooks, and, on the outside, near the extremity, with a spiniform process. *Tarsi* with yellow setæ, the second joint of the posterior rather longer than the first. The *abdomen*, in the only specimen available, is concealed or retracted under the metasternum, but I think I can see a median carina on the basal segment.

The type is an interesting little insect which has the appearance of a small *Morychus*; the prosternum is not unlike that of a *Cyphon*: on the whole it is more nearly related to *Tormus* than to any other known genus of the *Hydrophilidæ*.

2343. **S. nitidus**, *n.s.* Glossy, æneo-niger, paler behind; legs reddish, the tarsi, palpi, and antennæ yellowish; club opaque, fuscous, densely pubescent.

*Head* distinctly but not closely punctured. *Thorax* large, remotely and moderately finely punctured. *Scutellum* triangular, minutely sculptured. *Elytra* irregularly, rather distantly, and moderately finely punctured on their basal portion; along the sides, and behind, the punctures become coarser and serial; the hinder portion exhibits a sutural stria on each, and the sculpture near the apex is substrate.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Boatman's, Westland. Mr. A. T. Cavell detected one individual in a small hole in the underside of a boulder, on the side of a hill.

**Adolopus** (Gen., p. 940).

2344. **A. montanus**, *n.s.* Shining, pitchy-black; the elytral margins, the front of the head, and about half of the thorax,



at the sides, rufescent; legs red; antennæ, tarsi, and palpi testaceous; club fuscous, opaque.

Agrees almost exactly in most respects with Dr. Sharp's description of *Adolopus helmsi*. The *punctuation* of the head, the thorax, and the discoidal portion of the elytra, though close and distinct, cannot be termed coarse; the serial punctures of the apical part of the elytra almost form striæ; the sutural striæ are impunctate. *Underside* nearly black.

When compared with *A. altulus* it will be seen that the raised central portion of the *metasternum* is much broader, and it is more distinctly punctured and pubescent. The abdominal *carina* is well developed.

The best distinguishing character will become apparent on an examination of the posterior *femora*. These are not glabrous, being in reality distantly punctured, and from each puncture there arises a fine, short hair. The pubescent thighs, indeed, may be considered sufficient to isolate the species.

Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{7}{8}$  line.

Mount Cook Hermitage. One example, from Mr. Suter.

## Group—PSELAPHIDÆ.

### *Tyrus* (Gen., p. 121).

2345. **T. crassipes**, *n.s.* *Shining*, dark-red, palpi and tarsi yellow; sparsely clothed with very short yellowish hairs.

*Head* subovate, not prolonged anteriorly, about as large as the thorax, without distinct interocular foveæ or punctuation; antennal tubercles contiguous, small, not prominent. *Eyes* distinctly faceted, rather flat. *Thorax* rather longer than broad, convex, oviform, without foveæ or impressions, obsoletely and remotely punctured. *Elytra* about twice the width of the thorax behind, but much narrowed towards the base, apices widely incurved and depressed; sutural striæ moderate, more deeply impressed near the base, intra-humeral impressions narrow, their surface more or less distantly punctate. *Hind-body* rather flat and broad, very *Pselaphus*-like; the basal segment medially depressed in front, about as long as the elytra, the following segments short and deflexed. *Legs* unusually thick, tibiæ slightly arched externally; tarsi short and stout, claws small.

*Antennæ* short and stout; basal joint cylindric and thick; joints 2-8 differ but little, but gradually decrease; ninth and tenth transverse, the ninth nearly double the breadth of the eighth; the eleventh large, oblong-oval.

This has the appearance of a *Pselaphus*. It may be easily identified by the oviform head, robust legs, and short antennal joints. The maxillary palpi, though shorter than those of *T. mutandus*, are very similar in structure. The *metasternum* is very convex; there is a depression between the hind coxæ; the pro-

minent tubercles which exist in *T. armatus* are wanting in this species.

Length,  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{4}$  line.

Moeraki. One example, from Mr. Sandager.

### **Bryaxis** (Gen., p. 124).

2346. **B. platynota**, *n.s.* *Shining*, red, head and thorax rufopiceous, tarsi and palpi yellowish-red.

Very much like *B. inflata* and *B. sharpi*; at once differentiated from the former by the absence of the curvate thoracic impression, and from the latter by the darker colour, more deflexed hind-body, and the form and sculpture of the *head*, which is less convex, and not dilated laterally near the eyes; besides the fovea near each eye there is a depression on the middle in front, and there is also a small round fovea on the vertex. The *elytra* are distantly punctured. The *hind-body* is broader than the *elytra*, the three basal segments are about equal, the third is quite deflected, and the fourth is slightly prominent, but not tuberculate, at the middle.

*Antennæ* elongate and pubescent; second joint one-third shorter than, but as broad as, the cylindrical basal joint; 3-7 longer than broad, the fifth distinctly longer than the contiguous ones; eighth abruptly shorter than seventh; ninth quadrate, shorter but slightly broader than the seventh; tenth larger than ninth; eleventh large, ovate, acuminate.

Length, 1; breadth, quite  $\frac{3}{8}$  line.

Mangawhare, Northern Wairoa. One example, from Mr. G. C. Munro.

### **Group—SCYDMÆNIDÆ.**

#### **Scydmænus** (Gen., p. 144).

2347. **S. elongellus**, *n.s.* *Nitid*, moderately thickly covered with suberect yellow hairs, those on the head and thorax paler and less conspicuous; *elytra* and legs of a paler red than the thorax or head, tarsi fulvescent.

Almost quite similar to *S. princeps* in form and structure; rather smaller, paler, and with more conspicuous pubescence. *Thorax* without distinct basal impressions, but, like the *elytra*, with a few fine distant punctures. *Legs* elongate and moderately stout, claws much bent. Third joint of maxillary *palpi* long, gradually thickened, thicker than the second, the terminal invisible in my specimen. *Antennæ* elongate, joints 1-7 longer than broad, third shorter than those next to it, eighth a little shorter but stouter than seventh, ninth and tenth twice as broad as the eighth, eleventh ovate.

The *pygidium* is pubescent: this fact, together with the smaller size and paler colour, will enable it to be distinguished from *S. edwardsi*.

Length, 1; breadth, nearly  $\frac{3}{8}$  line.

Mangawhare, Northern Wairoa. One, found by Mr. G. C. Munro.

**Phaganophana** (Gen., p. 146).

2348. **P. ovipenne**, *n.s.* *Shining*, chestnut-red, the legs and antennæ paler, tarsi and palpi yellow; clothed with conspicuous yellow pubescence.

Like *P. lanosa*, paler, with longer legs; the thorax more narrowed in front; the *elytra* longer, quite oviform, with humeral plicæ, a broad basal depression, and a less obvious one on each elytron before the middle. *Tibiæ* nearly straight, with rather coarse ciliæ along the inside, particularly the intermediate. The penultimate joint of the maxillary palpi elongate, the terminal aciculate. *Eyes* small, convex. *Carina* of mesosternum well developed. *Metasternum* convex, with pubescence like that of the abdomen.

*Antennæ* stout, the second joint nearly as large as the first; the third smaller than the fourth or fifth; ninth and tenth strongly transverse; eleventh large, obtusely pointed.

Length, nearly 1; breadth,  $\frac{3}{8}$  line.

Moeraki. Received from Mr. Sandager.

**Group—SILPHIDÆ.****Inocatops** (Gen., p. 1066, Part V.).

2349. **I. nigrescens**, *n.s.* *Compact*, convex, slightly contracted medially, shining, apparently glabrous; black, antennæ reddish, legs infuscate, tarsi yellow.

The *body* seems to be quite impunctate. The *head* is small and narrow. The *thorax* is depressed and strongly sinuate at the base; the posterior angle fits into, or rests against, a shallow impression in front of the somewhat prominent shoulder, the outer margin of which is continued along the side of the elytron, but becomes obsolete near the hind femur. *Elytra* estriate, the large scutellar region much depressed. *Femora* thick, *tibiæ* nearly straight, gradually widened, the outer extremity oblique.

*Antennæ* with the basal two joints of nearly equal length; the fourth slightly narrower than the third or fifth, these three of about the same length; the third, however, is very slightly longer than the fourth; sixth and seventh joints subquadrate; the eighth very short, but almost as broad as the contiguous ones.

The dark colour, bald surface, and broad eighth antennal joint are distinctive.

Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{1}{2}$  line.

Moeraki. One individual, in bad condition, sent by Mr. Sandager.

OBS.—From the same source I have two specimens which, though not exactly alike, I think represent the female of *Inocatops flectipes*; in both of these the posterior *tibiæ* are simple, and the tarsi are moderately slender.

**Choleva** (Gen., p. 151).

2350. **C. relata**, *n.s.* *Oviform*, narrow, opaque, infuscate-black; the basal two joints of the antennæ, the palpi, and the tarsi



reddish; it is densely clothed with fine, depressed, cinereous pubescence, but on the head, the sides of the thorax, and the base of the elytra the hairs are yellowish and rather coarser.

*Head* finely sculptured. *Antennæ* rather longer than the head and thorax, moderately stout; sixth joint nearly one-third shorter than the contiguous ones; seventh slightly larger than fifth; eighth very small. *Thorax* transversal, base subtruncate, the posterior angles rectangular, not prolonged backwards, the sides only moderately curved; the sculpture fine. *Elytra* not much narrowed posteriorly, with a sutural stria on each, with fine transversal strigose sculpture. *Legs* pubescent, middle tibiæ curvate, the spurs of the hind pair about two-thirds of the length of the basal tarsal joint; front tarsi moderately dilated.

Female. *Tarsi* narrow. *Underside* convex, fuscous, finely sculptured and pubescent; fifth segment of *abdomen* longer than the fourth, much incurved apically; sixth very small; middle of *mesosternum* densely transversely strigose.

Narrower than its allies; smaller than *C. lugubris*, and much less attenuated posteriorly.

Length,  $1\frac{3}{8}$  lines; breadth, quite  $\frac{1}{2}$  line.

Moeraki. Found by Mr. Sandager at his house.

## Group—TROGOSITIDÆ.

### *Grynoma* (Gen., p. 181).

2351. *G. varians*, *n.s.* *Subdepressed*, a little shining, variegate; irregularly clothed with white, and long, slender, erect, fuscous or greyish, hairs.

*Antennæ* dark, the basal joint reddish or nearly testaceous. *Thorax* twice as broad as long, the sides almost regularly curved and explanate, the middle widest, hind angles not acute; the disc fuscous and subopaque, sides nearly testaceous, the sculpture close but very shallow. *Scutellum* transverse, opaque. *Elytra* gradually widened posteriorly, obscure infusate-red, but with most of the basal region, a strip along the suture extending as far as the middle, an irregular band behind the posterior femora, another just below the top of the hind declivity, and other spots, smoky-brown; these spots appear to be nude, the whitish pubescence being confined to the paler portions, the lateral margins are like those of the thorax; the punctures are coarse, but not close as in *G. fusca*, and more or less irregular, but with a tendency to become serial; the erect hairs proceed from them; the surface looks somewhat uneven. *Legs* fusco-testaceous, the tips of the tarsi darker.

This, I think, makes a near approach to *G. regularis*. It is smaller, and the form seems to be different, appearing as if gradually narrowed towards the front; the erect setæ are long, as long as they are in *G. diluta*.

Length, 2 lines; breadth, 1 line.

Taieri. Mr. S. W. Fulton; one individual.

OBS.—I have a specimen from Mr. Cavell which does not exactly agree with the description of *G. regularis*, but which I think represents that species.

2352. *G. rugosa*, *n.s.* *Subparallel*, widest behind, variegated brown, the head and thoracic disc darker, margins testaceous; the antennæ (except the paler basal joint), the front legs, and the tarsi fuscous, the middle and hind tibiæ testaceous-brown.

This species is smaller than *G. varians*, more parallel and depressed, almost entirely without inequalities of surface; the grey *pubescence* on the elytra is quite short, not conspicuous, and it is more evenly distributed, the erect hairs are elongate and mostly white; the punctures on the elytra are coarse but not close, and, when viewed from behind, appear to be separated by transverse rugæ, when examined sideways they seem to be arranged in almost regular series; the sculpture of the *thorax* is close but shallow, the sides are evenly rounded, without well-marked angles.

Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Taieri. Another of Mr. S. W. Fulton's discoveries. The specimen is unique.

## Group—COLYDIIDÆ.

### Notoulus (Gen., p. 183).

2353. *N. facetus*, *n.s.* *Oblong*, variegate, antennæ and tarsi reddish, club slightly infusate, the body and legs infusate or red; clothed with short, sometimes curled, bright fulvous and pallid setæ.

*Head* raised and prominent at each side in front of the eye. *Antennæ* with the basal joint more than half hidden above, second joint thick, third rather longer than fourth and abruptly narrower than the second, fourth and fifth rather longer than broad, 6–8 bead-like, ninth transverse and broader than eighth; club biarticulate, pubescent. The *thorax* has four lobes at each side, formed as in No. 1594, the fourth being small and forming the posterior angle; there are three depressions in front, the external are transverse, the central one is expanded behind but does not reach the base; there are three near the base, the one in front of the scutellum is small and triangular, and there is a large one on each side near the middle. *Elytra* with prolonged and divergent apices; there is a black, interrupted patch on the dorsum behind the posterior femora, and a transverse one just below the top of the hind declivity; the suture also is blackish, but there are seven or eight spots of yellowish setæ on it; on each elytron at the base, near the middle, there is an elongate elevation which is curved towards the scutellum; in line with this there are four nodosities, two of which are close together on the summit of the posterior declivity, the other two are smaller, the hinder one is on, or just in front of, the middle; outside these are three rather larger nodosities, also in a row, the last almost touches the terminal two of the inner series, so that there are three contiguous elevations on each wing-

case on top of the apical declivity; smaller elevations may be seen, there being five or six along the dark marginal space.

This species is, undoubtedly, nearly allied to No. 1594. The *legs* bear fine yellow setæ; basal joints of the *tarsi* with long slender hairs underneath, the first joint is larger than the second or third, the fourth longer than the preceding three.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Moeraki. Sandager; one.

### **Coxelus** (Gen., p. 195).

2354. **C. oculator**, *n.s.* *Oblong*, medially narrowed; opaque, rufo-fuscous, sides of elytra usually blackish, the legs and antennæ reddish; clothed (except on the depressed parts) with short yellow scale-like setæ.

*Head* with granular sculpture. *Antennæ* shorter than the thorax, basal joint hardly visible from above; the second slender at the base, but much dilated towards the extremity; the third about as long as the second, half its breadth, longer than the following ones; joints 4–8 small; ninth transverse, only about one-third of the breadth of the tenth; eleventh rounded. *Thorax* transverse, a good deal narrowed behind, rounded towards the front, where the lateral margins are broadest; disc convex, sculptured like the head, with an elongate depression before the middle, two smaller ones behind, and one near the scutellum. *Elytra* uneven, subparallel, scutellar region depressed, and with a large depression on each before the middle; their sculpture indefinite, in one light appearing to consist of series of small elevations, in another of striæ or punctures. *Legs* with slender, erect, yellow setæ.

Three characters distinguish this species. There is behind each eye a thick patch of setæ which projects beyond the eye itself. In front of the summit of the posterior declivity, on the suture, there is a rotundate black mark. The second antennal joint is unusually thick and rather short.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{4}$  line.

Moeraki. One specimen, from Mr. Sandager.

2355. **C. picicornis**, *n.s.* *Opaque*, piceous, the legs and two basal joints of the antennæ obscure infusate-red; irregularly clothed with pallid coarse scale-like setæ, which are most conspicuous on the elytra; on the legs the setæ are slender, subdepressed, and yellow.

*Thorax* narrowed towards the base, granulate, with indistinct impressions somewhat similar to those in *C. oculator*. *Elytra* slightly uneven, with obsolete sculpture, consisting of series of punctures or granules. *Antennæ* short; second joint a good deal thickened towards the extremity, the first scarcely visible above, the third longer than the following ones, the ninth very small, the tenth thrice the breadth of the ninth, eleventh rounded. *Eyes* without distinct setæ.



A small species, recognisable by the dark antennæ and rather feeble superficial sculpture.

Length, 1; breadth,  $\frac{3}{8}$  line.

Moeraki. One, found by Mr. Sandager.

2356. **C. graniceps**, *n.s.* *Fuscous* or piceous; the legs, the front of the head and thorax, and the antennæ obscure-red; clothed with fuscous and pallid, short, scale-like setæ, these latter most congregated near the base and top of hind slope of elytra so as to form patches in some cases; the setæ on the legs are pale-yellow, slender, and mostly erect.

*Antennæ* with stout second joint, which is gradually and only slightly thickened apically; the third longer than fourth. *Thorax* rather broader than long, gradually narrowed behind, a little rounded towards the front, moderately granulate; its discoidal impressions somewhat similar to those of *C. oculator*, but more elongate, and not so well marked. *Elytra* with regular series of small elevations, which appear like punctures when viewed in certain ways, scutellar region depressed, the suture a little raised, and smooth near the middle. *Eyes* with indistinct setæ.

*Underside* infusate, more or less granulate, bearing fine pale setæ; the last ventral segment with a large depression at each side, its seemingly raised portion smooth.

The *head* is very distinctly and regularly granulate.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{1}{2}$  line.

Moeraki. I have seen three specimens, all found by Mr. Sandager.

### **Epistranus** (Gen., p. 202).

2357. **E. optabilis**, *n.s.* *Suboblong*, contracted medially, transversely convex; infusate-red, tarsi yellowish; sparingly clothed with distinct, erect, yellowish, slender setæ.

*Thorax* about as long as broad, strongly rounded laterally; the somewhat flattened tubercles forming two rows along the middle, but, elsewhere, they are irregularly disposed. *Elytra* a little narrowed towards the base, their sides only moderately curved and studded with prominent tubercles; the discoidal sculpture consists of series of coarse punctures and small intervening tubercles, from which latter the setæ arise, there are some distinct tubercles near the base and smaller ones on the posterior declivity. *Tibiæ* curved externally, densely fringed with short setæ. *Antennæ* nearly glabrous; the ninth joint, though small, is evidently broader than the eighth; club large and compact, pubescent.

The *prosternum* bears two elevated oblique rows of tubercles which end between the front coxæ, the intervening space appears depressed; the excavation at each side is very large and deep, and is bordered by tubercles; the antennæ, in repose, are directed backwards through a gap between the raised central piece and the front angles, and are accommodated in the cavity, the club being bent outwards; the front legs also are received into the excavation, being

folded and placed over the antennæ. The *mesosternum* bears granules. The space between the middle and hind coxæ has raised borders, but there is a deep transverse depression just in front. The basal segment of the *abdomen* is much depressed or hollowed at each side; the sutures between the segments are very deep and large. The *epipleuræ* are broad at the base, but taper towards the extremity, they are studded with prominent tubercles along the sides as far as the third or fourth segment.

The insect is usually covered with pallid and fuscous sappy matter, which conceals the true sculpture.

*E. parvus* is the nearest ally, but in it the thoracic tubercles are pointed, and the setæ are more slender, slightly longer, and paler, besides other differences. The middle of the body is much less narrowed than is the case in Nos. 362, 363, and 1168.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Moeraki. I am indebted to Mr. Sandager for two examples of this interesting little creature.

### *Lithostygnus* (Gen., p. 950).

2358. *L. minor*, *n.s.* *Elongate*, subparallel, transversely convex, subopaque, nude, pitchy-red or infusate, antennæ and tarsi fulvescent.

*Head* narrowed in front of the small eyes; these are, nevertheless, quite distinct, and are placed near the back part, which is much contracted behind, so as to form a short neck. *Antennæ* rather slender, the basal joint is large and thick, the second is also stout but much smaller than the first though about thrice the size of the third; ninth slightly thicker than the eighth, but less than half the bulk of the tenth, which is smaller than the eleventh. *Thorax* broader than long, its sides much explanate, somewhat rounded near the front, gradually narrowed behind, posterior angles not well developed; near the front there are two curved abbreviated costæ, there are also two small nodules on the middle, and two near the base, so that there appear to be two large discoidal depressions. *Elytra* curvedly narrowed behind; each elytron with two costæ, the inner slightly bent at both extremities, the outer does not reach the base, but is continued to the apex, where it forms the edge of the dorsum, towards the shoulder the side is more explanate, and, though not costiform, the margin is well defined, the suture is slightly raised; the interstitial sculpture consists of double series of punctiform impressions.

This species, though very similar to *L. costatus*, is much narrower, the sides of the thorax are not greatly and almost abruptly contracted behind the middle, as is the case in that species, and the tarsi are relatively shorter and stouter.

Length,  $\frac{5}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Moeraki. One example from Mr. Sandager, who informs me that Dr. Sharp is of opinion that it belongs to the genus *Melophthalma*. This genus (*Melophthalma*) I cannot find any description of. The genus *Lithostygnus* was described about six years ago.

## Group—CUCUJIDÆ.

**Thortus.**

Nov. gen.

*Picrotus* is nearly related, but differs in some important points.

*Body* convex, oval, elongate. The *antennæ* are eleven-jointed; the terminal articulations, however, form a three-jointed club, which, owing to the gradual incassation of the preceding joints, is not at all abruptly marked off; the ninth joint is not twice the bulk of the eighth, but is distinctly smaller than the transverse tenth joint, the terminal being still larger; the third joint is rather longer than the contiguous ones; joints 4–8 decrease in length. The *thorax* is of the same width as the elytra at the base and closely adapted thereto, it is gradually narrowed towards the front; its side margins are not flattened or thickened, being, in fact, quite fine, and there is no trace of lateral grooves near them; the middle of the base has a sort of broad depressed plate which overlaps the extreme front of the scutellum; the posterior angles are not prolonged backwards, being almost rectangular. *Scutellum* rather large. The *legs* and *tarsi* are longer than they are in *Picrotus*, and terminate in small claws; each of the four basal joints of the *tarsi* is furnished below with a rather elongate bristle. The ventral sutures are not so deep. There is a distinct quadrate depression at the termination of the prosternal process. The *eyes* are much smaller, quite minute and inconspicuous.

*Thoricus* is quite different in many respects.

2359. **T. ovalis**, *n.s.* *Elongate-oval*, very sparingly clothed with slender pallid hairs; shining, red, sides of thorax piceous, legs fulvous.

*Head* nearly smooth, somewhat flattened above. *Thorax* about as long as broad, simple, with a few moderately-fine distant punctures on each side of the smooth central portion, the curved basal plate impunctate. *Scutellum* large, rounded behind. *Elytra* widest before the middle, gradually narrowed posteriorly, about twice the length of the thorax; each with an ill-defined sutural stria and very few distant punctures. *Legs* stout; the *tibiæ* thickened towards the extremity, with minute spurs. The *antennæ* are sparsely pubescent, and are longer than the thorax.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Boatman's, Westland. One example, found by Mr. Cavell.

## Group—CRYPTOPHAGIDÆ.

**Cryptophagus** (Gen., p. 224).

2360. **C. discoideus**, *n.s.* *Oblong*, moderately convex; the head, thorax, and *antennæ* red, legs fulvescent; elytra, near the base and apex, infusate-red, most of the dorsum nearly fulvous; clothed with yellow hairs, some of which are long and upright.



*Head* distinctly but not closely punctate. *Antennæ* with fine outstanding hairs, second joint not so stout as the first; third longer than the following ones; joints 4-8 small, bead-like; club more densely pubescent, its last joint much longer than the tenth. *Thorax* broader than long, widest near the middle; its sides a little curved anteriorly, slightly narrowed yet nearly straight behind, with simple margins; posterior angles rectangular, the anterior a little rounded; base truncate, the punctuation moderately fine but not close; the surface is depressed towards the hind angles, and there the pubescence is denser than it is elsewhere. *Scutellum* strongly transverse, minutely punctured. *Elytra* oblong, a little wider than the thorax, more narrowed behind than at the shoulders; its sculpture like that of the thorax; just behind the middle thighs there is a strongly-curved depression, which, however, is not continued across the suture; it is of a dark colour.

This prettily-marked species may be easily known by the peculiar wing-cases.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  (nearly) line.

Mangawhare, Northern Wairoa. One example, found by Mr. G. C. Munro.

2361. **C. distinctus**, *n.s.* *Rufous*, dark or pale, legs fulvescent, antennæ reddish; pubescence pale-yellow or greyish, irregularly arranged.

*Head* with moderately coarse, shallow punctures, impressed along the middle. *Antennæ* formed like those of *C. discoideus*, with fine greyish hairs. *Thorax* but little broader than long, rather more narrowed in front than it is behind, its sides nearly straight throughout, basal angles rectangular, lateral margins, apparently, with numerous extremely minute denticles; there is a large depression near the middle, the punctuation is moderately fine but not close, the base is subtruncate and more or less depressed, its pubescence is arranged transversely. *Scutellum* transverse, its sides and apex rounded. *Elytra* oblong, broader than the thorax, slightly depressed behind the scutellum, their sculpture similar to that of the thorax; the disposition of the pubescence is peculiar: near the base it lies lengthways, it is curved near the middle, where there is a more scantily clothed space which looks like a fascia, behind this the hairs take a longitudinal direction, rapidly becoming quite inconspicuous, beyond that point the pubescence is arranged transversely, but near the apex it lies longitudinally; near the suture, behind the middle, the hairs are very short and transverse; there are two blackish marks behind.

The straight-sided thorax, and the remarkable way in which the elytral clothing is disposed, will at once lead to its recognition.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Moeraki. I have but one specimen, sent by Mr. Sandager. Two others that I have seen are paler in colour.

Obs.—It is just possible that these two species, as well as Nos. 394, 395, 396, 397, and 400, may ultimately be referred to

*Micrambina*, a genus, or sub-genus, whose description I have been unable to see.

### **Salitius.**

*Nov. gen.*

*Cryptophagus* is a nearly-allied form. The distinguishing characters are as follow :—

The *antennæ* are more approximated at the point of insertion, they are longer and stouter, two-thirds the length of the body, and differently formed; basal joint subpyriform, wholly exposed, third slightly longer and more slender than the second, fourth much smaller than the contiguous ones, bead-like, fifth elongate, nearly as long as the first but more slender, joints 6 and 7 longer than broad, the former the shorter, the latter nearly as long as the fifth, eighth small and moniliform; club laxly articulated, ninth and tenth joints large, obconical, eleventh broadly oval. *Eyes* more prominent. The *tarsi* are, seemingly, heteromerous; their penultimate joint has elongate lobes. The anterior *coxæ* are less widely separated. The *prosternum* is transversely convex, and its process projects beyond the *coxæ*. The *mesosternum* has a triangular acuminate process. The *metasternum* is short; it is rounded between the middle *coxæ*, but incurved in front of the hind *coxæ*.

The type is No. 399, now *Salitius ruficeps*. The first joint of the *antennæ* is dark-red and distinctly sculptured. The body is more convex than it is in *Cryptophagus*, and the thorax and *elytra* are differently formed.

## **Group—LATHRIDIIDÆ.**

### **Diarthrocera.**

*Nov. gen.*

*Body* subdepressed, ovate-oblong. *Head* as broad as the front of the thorax, much narrowed anteriorly. *Eyes* large, rotundate, distinctly faceted. *Antennæ* inserted at the sides of the head in front of the eyes, biarticulate, basal joint stout, thickened towards the extremity, the second half the size of the first, both with a few fine hairs. *Thorax* about as long as broad, a good deal narrowed towards the base, its sides rounded, and, apparently, finely denticulate. *Scutellum* transverse. *Elytra* oblong. *Prosternum* simple. Anterior *coxæ* of moderate size, nearly contiguous; middle *coxæ* narrowly separated; the posterior widely distant. *Metasternum* of moderate length, its frontal process extending halfway between the *coxæ*. *Abdomen* composed of six segments, the apical very short, the basal largest, the intermediate ones nearly equal to one another. *Femora* stout, simple. *Tibiæ* somewhat arcuate or flexuous, their inner extremity mucronate. *Tarsi* stout, three-jointed, pubescent underneath, the basal joint much larger than the second and somewhat prolonged below, second joint of similar form, third quite as long as the preceding two taken together; claws distinct.

The structure of the antennæ differentiates this genus from any other known to me; their condition is not, I believe, the result of accident or mutilation, as they present exactly the same appearance in the two specimens before me. I fail to detect more than three joints in each tarsus; the two basal are distinctly marked off from the third. Owing to the small size of the insect I have been unable to determine the exact structure of the trophii. The genus, I think, should be located in the Lathridiidæ.

2362. **D. formicæphila**, *n.s.* Shining, smoky-black, sparingly clothed with fine, decumbent, yellowish hairs; legs fuscous.

*Head* finely and distantly punctured, a little contracted behind the eyes. *Thorax* widest near the middle, the lateral margins with some small denticles, its punctuation rather fine and distant on the disc; near the base, at the middle, there is a large foveiform depression. *Elytra* truncate at base, a little wider there than the thorax, their sides slightly rounded; each elytron has a fine sutural stria, and six or eight series of fine punctures.

*Underside* blackish, sparsely pubescent, indistinctly sculptured, the coxæ castaneous.

Length,  $\frac{5}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Ashburton. Mr. W. W. Smith kindly sent me two specimens which he discovered in the nests of *Tetramorium nitidum*. A pretty *Aphis* found in the same ants' nest has, I am informed, been named by Mr. Maskell.

## Group—BYRRHIDÆ.

### **Morychus** (Gen., p. 244).

2363. **M. nigralis**, *n.s.* *Convex*, broad, oviform, nearly glabrous, bearing only some minute yellowish hairs, which are most easily seen from behind; the legs and first antennal joint red, tarsi and palpi yellow, remaining joints of the antennæ fulvescent.

*Head* rather finely but distinctly, though not closely, punctured; the middle almost smooth; *labrum* only moderately carinate at the base, punctate and pubescent; *eyes* moderately convex. *Thorax* twice as broad as long, narrowed towards the front, the sides nearly straight and finely margined, all the angles acute, base subtruncate, its sculpture like that of the head. *Scutellum* minute or invisible. *Elytra* nearly smooth behind, their punctuation less distinct than that of the thorax. *Legs* clothed with slender brassy setæ; *tibiæ* externally arcuate, the anterior not distinctly grooved for the tarsi, these latter pubescent, their third joint with an elongate membrane.

*Underside* piceous, shining, clothed with fine yellow hairs, more or less finely and distantly punctured. The prosternal process plane, not extending beyond the coxæ, its apex received into the curved notch of the short mesosternum. Middle coxæ widely separated, with a broadly-curved suture between them.

*Antennæ* with elongate first joint, second not half the bulk of the first; 3-5 slender, third largest; 6-10 become shorter and broader,



8-10 transverse; the eleventh nearly as large as the preceding two taken together.

Closely allied to No. 1170, which, however, has shorter antennæ and coarser punctures on the head.

Length, 2; breadth,  $1\frac{1}{4}$  lines.

Boatman's. Three examples from Mr. Cavell.

2364. *M. lætus*, *n.s.* *Oval*, elongate rather than broad, convex, glossy æneous, legs red, tarsi fulvescent, antennæ reddish, their basal joints darkest.

*M. coruscans* is the nearest ally, this species, however, is much larger; the *head* is coarsely punctured; the *thorax* is moderately closely and finely, but quite distinctly, punctured; the *scutellum* is smooth and triangular, not transverse; the *elytra* with sculpture similar to that of the thorax. *Legs* finely pubescent, middle *tibiæ* strongly curved on the outside, the anterior thick, this thick outer face grooved. In my specimen of *M. coruscans* the external edge of the front *tibiæ* is sharply defined, and the tarsal groove is in front of it.

*Underside* finely punctured and pubescent. In a reversed example the fifth ventral segment is deeply emarginate at the extremity. *Tarsi* as in *M. nigralis*.

*Antennæ* with the second joint nearly as long and thick as the basal one, gradually narrowed; 3-5 slender, the third slightly longer than the second; 6-10 increase in thickness, tenth subquadrate; eleventh about as long as the preceding two.

Length,  $2\frac{3}{4}$ ; breadth,  $1\frac{5}{8}$  lines.

Westland. Mr. Cavell has given me two specimens, both found at Boatman's.

### Group—COPRIDÆ.

#### Saphobius (Gen., p. 255).

2365. *S. curvipes*, *n.s.* *Broad*, subovate, a little shining, glabrous; *elytra* pale-castaneous, head and thorax almost fusco-piceous and somewhat bronzed, both with broadly rufescent margins; legs rather paler than *elytra*.

*Head* bidentate in front, rather uneven above, its punctuation moderately close and rather shallow. *Thorax* strongly transverse, its sides regularly but slightly curved, somewhat suddenly, but not greatly, narrowed near the front; its dorsal channel broad near the base, but indistinct in front, there is an impression on each side, near the middle, the sculpture close and shallow. *Elytra* obsoletely striate, minutely and densely sculptured throughout.

Front *tibiæ* moderately long and slender, gradually widened, almost quite regularly curved along the inside, with two teeth on the outside, in addition to the dentiform apical prolongation.

Quite unlike *S. fulvipes* (another Napier species), and, indeed, different from any other described as yet.

OBS.—The *abdomen* in this genus is capable of retraction, so

much so that the appearance of the pygidium is of little value as a distinguishing character.

Length,  $2\frac{1}{8}$ ; breadth,  $1\frac{1}{2}$  lines.

Napier (Hastwell). My specimen was found by Mr. H. Suter.

### Group—EUCNEMIDÆ.

**Talerax** (Gen., p. 279).

2366. **T. micans**, *n.s.* *Glossy*, black, clothed with slender greyish or ash-coloured hairs; the knees and tarsi infuscate; the two basal joints of the antennæ shining, nigro-piceous, the others opaque, and distinctly pubescent; front margin of thorax red.

*Thorax* strongly transverse, convex, its apex carinate and sharply defined, so that a well-marked channel exists there; there are two foveæ at the base near the middle, its punctuation is fine, distant, and irregular, some portions of the surface being smooth; posterior angles large, thick, almost curved inwards. *Elytra* gradually, but not greatly, narrowed towards the extremity; not striate; the punctures distinct, moderately close, but not regularly arranged in series, so as to cause a slightly rugose appearance; the sutural stria is faint in front, but ends in a deep fossa at the apex. *Legs* stout, the knees, however, very slender; the fourth joint of the tarsi lobate.

*Antennæ* stout, reaching just beyond the middle femora; basal joint thick and slightly curved, second very short, third nearly twice as long as the following one, joints 4–10 subserrate; they are inserted right between the eyes in line with their front margin; there is no transverse suture or the least trace, so far as I can see, of any frontal line there; the antennal grooves are deep, and extend in front of the eyes from their inner margin, the eyes therefore appear prominent and convex. The sternal structure I have not been able to examine in a satisfactory manner, so that I do not feel sure whether this species may not prove to be the representative of a distinct genus.

Length, 2 lines; breadth,  $\frac{5}{8}$  line.

Boatman's. One example, found by Mr. Cavell.

### Group—ELATERIDÆ.

**Betarmon** (Gen., p. 286).

2367. **B. flavipilus**, *n.s.* *Rufo-testaceous*, clothed with fine, bright-yellow hairs; legs testaceous; the antennæ (save the bright basal joints) fusco-testaceous.

*Head* closely and distinctly punctured; the frontal carina but little raised. *Thorax* convex, longer than broad, the sides moderately rounded, hind angles elongate, acute, and divergent; the median channel indistinct in front, the punctuation moderately close and fine. *Elytra* rather deeply striate; the interstices punctate, finely rugose behind. *Antennæ* reaching the base of the thorax,

second and third joints almost equal, well developed, each shorter than the fourth. The middle of the prosternum, the metasternum, and the abdomen infusate.

The thoracic sculpture not so dense as it is in *B. obscurus*, the coloration and clothing different.

Length,  $2\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Boatman's. I am indebted to Mr. Cavell for my specimen.

## Group—DASCYLLIDÆ.

### *Amplectopus* (Gen., p. 1137, Part V.).

2368. *A. latulus*, *n.s.* *Oval*, rather broad, subopaque; clothed with short, depressed, brassy setæ and hairs; rufo-castaneous, sides of elytra fuscous, legs reddish; the tarsi and three basal joints of the antennæ rufo-testaceous, the other joints infusate; underside reddish, indistinctly punctate, with slender greyish hairs.

A broader form than *A. ovalis*, the base of the *elytra* distinctly broader than the thorax and apparently minutely granulate, the rest of their sculpture similar but still finer, not distinctly punctate, the sculpture, however, difficult to define accurately; the apices are a little bent up. *Thorax* very transverse, marked like the elytra. *Antennæ* pubescent, joints 6–10 gradually thickened, all transverse.

Front *tibia* with a slender terminal spur. Labial *palpi* minute, the maxillary moderately elongate, their three last joints suboblong and of nearly equal size, the apical joint very slightly narrowed towards the extremity.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{1}{2}$  line.

Waitakerei Range. Two examples in my own collection.

2369. *A. fuscus*, *n.s.* *Oblong-oval*, subopaque, dark-brown; clothed with depressed, but comparatively rather coarse, seta-like, brassy hairs; the three basal joints of the antennæ reddish, the remaining joints nearly black.

*Thorax* about twice as broad as long, narrowed in front, finely and distantly punctured. *Elytra* but little wider than thorax at the base, apices slightly reflexed; their punctuation not close, moderately fine, but distinct. *Antennæ* with a thick basal joint; third slender at base, but dilated towards the extremity, which is oblique; fourth a little longer than broad, 5–7 small, seventh transverse; 8–10 strongly transverse.

Differs from *A. ovalis* in antennal structure and elytral sculpture.

Length, 1; breadth,  $\frac{1}{2}$  line.

Boatman's. One example, and two of *A. ovalis*, found by Mr. Cavell.

## Group—MELYRIDÆ.

### *Dasytes* (Gen., p. 328).

2370. *D. littoralis*, *n.s.* *Elongate*, narrow, nitid, greenish-blue, legs and antennæ nearly quite black; the second joint of



these latter, and the claws, castaneous; clothed with slender, inconspicuous, ash-coloured hairs.

*Head* finely and distantly punctured, with two slight interocular impressions. *Antennæ* reaching the intermediate femora, subserrate, tenth joint rather longer than broad. *Thorax* as wide as the head, the length and breadth about equal, feebly margined, transversely impressed near the base and apex, its punctuation a little closer than that of the head; it is scarcely at all pubescent. *Elytra* one-third broader than the thorax, subparallel, the punctuation slightly rugose; the suture sometimes faintly rufescent. *Legs* long and slender.

Distinguishable from *D. cheesemani* by the more distant punctures on the thorax, which is constricted in front and behind, and by the finer and paler pubescence of the wing-cases. The metasternum is canaliculate behind.

Length,  $1\frac{3}{4}$ –2 lines; breadth,  $\frac{1}{2}$ – $\frac{5}{8}$  line.

Moeraki. Mr. Sandager found this species on the Ironsand Beach.

2371. *D. æthiops*, *n.s.* *Shining*, black, the knees and apical portion of tibiæ rufo-castaneous; tarsi, except the dark terminal joint, reddish; the second, and the tips of the third and fourth antennal joints, also rufescent; clothed with short, slender, cinereous hairs.

*Head* narrow, not so broad as the thorax, rather finely and distantly punctured, and with dense linear sculpture behind. *Eyes* moderately large and prominent. *Antennæ* pubescent, attaining the base of the thorax, third joint slender, 5–10 subserrate, tenth longer than broad. *Thorax* as long as broad, widest behind the middle, its sculpture similar to that of the head. *Elytra* rugosely punctured, the shoulders raised; there are two other obtuse basal elevations, and near the middle there is an elongate impression near the side of each wing-case.

Length,  $1\frac{3}{4}$  lines; breadth, quite  $\frac{1}{2}$  line.

Moeraki. I have seen two examples, both of which were found by Mr. Sandager.

OBS.—I now possess two varietal forms of No. 598. One, sent by Mr. Cavell, of Boatman's, is almost wholly dark-blue, with the last five or six terminal joints of the antennæ blackish. The other, from Mr. Sandager, is also dark in colour, with the antennæ and legs more or less infusate.

## Group—CLERIDÆ.

### Phymatophæa (Gen., p. 334).

2372. *P. opacula*, *n.s.* *Opaque*, narrowed anteriorly, clothed with erect dark-grey hairs; violaceous, club dull blackish.

*Head* closely and coarsely punctate. *Thorax* longer than broad, widest behind the middle, but only moderately swollen there,

hardly at all uneven above; its sculpture similar to that of the head but closer. *Elytra* gradually expanded posteriorly, not uneven, moderately closely and finely punctured, the punctuation, however, becoming obsolete near the extremity, *Legs* rather slender.

In appearance very much like *Dasytes helmsi*. My specimen, indeed, was picked out from amongst a fine series of that species.

Length,  $3\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Boatman's. One, sent by Mr. Cavell.

### Group—PTINIDÆ.

*Ptinus* (Gen., p. 337).

2373. *P. littoralis*, n.s. *Rufous*, covered with short fulvescent pubescence, and longer upright hairs.

*Head* immersed up to the eyes; these latter small and almost round. *Antennæ* elongate, with yellow hairs, basal joint thick, punctate; 3–10 differ but little, each longer than broad. *Thorax* convex, narrowed and depressed behind; distinctly but not regularly punctured. *Elytra* striate-punctate.

*Underside* chestnut-red, more or less punctate, clothed with short, and moderately long, pallid hairs. The *prosternum* incurved as far as the front coxæ; these latter distinctly separated, not so much so, however, as the intermediate. *Palpi* with acuminate terminal joints. *Tarsi* moderately slender, joints 1–4 decreasing in length.

Like the European *Ptinus fur*, smaller, the eyes very much smaller and less prominent, the thorax less contracted and depressed near the base.

Length, 1; breadth,  $\frac{1}{2}$  line.

Moeraki. Two examples, from Mr. Sandager.

### Group—ANOBIIDÆ.

*Sphindoteles* (Gen., p. 687).

2374. *S. ruficornis*, n.s. *Opaque*, infusate-red, most part of the thorax darker, legs and antennæ red, palpi and tarsi fulvous.

*Thorax* widest near the middle, longer than broad, its sides appearing rounded, not margined; sparingly clothed with depressed, slender yellow hairs; its sculpture dense and fine, appearing to consist of punctures or granules according to the light in which it is examined. *Elytra* broader than thorax, transversely convex; the dorsal pubescence very slender and short, the lateral more conspicuous, yellowish; each elytron with three extremely indistinct longitudinal lines, the sculpture like that of the thorax, but, besides, there are some rows of small punctures, which, near the side, are evident enough, but become obsolete near the suture.

*Underside* dark-fuscous, nearly black; abdomen with minute granules, evenly clothed with depressed greyish hairs; *metasternum* convex, but with a median groove behind.

*Antennæ* finely and sparingly pubescent throughout; first joint slender at base, swollen beyond, second rather smaller; third more slender than fourth, of equal length; fifth rather longer and slightly stouter than fourth; sixth a little shorter and more slender than fifth, 7-9 nearly equal, tenth rather shorter; eleventh rather longer than tenth; all the joints longer than broad.

*Head* inserted up to the eyes, these latter prominent and oviform. *Thorax* obtusely rounded, almost truncate, in front; it is longer than the short prosternum, which is extremely short in front of the coxæ. Maxillary *palpi* with acuminate apical joints. *Tarsi* moderately slender, the four first articulations gradually expanded, the fifth small.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{1}{2}$  line.

Moeraki (Waterhouse Bush). Mr. Sandager has been kind enough to send me two specimens.

2375. **S. dorsalis**, *n.s.* *Opaque*, rufo-fuscous, legs red, tarsi and antennæ rufo-testaceous; covered with silky yellowish hairs.

*Antennæ* moderately elongate, nowhere quite nude; third joint rather slender, scarcely longer than the second; joints 4-10 longer than broad, their point of articulation near the outside, so that the inner extremity of each appears to be a little, but obtusely, produced; they are not, however, distinctly serrate; eleventh elongate, oval. *Thorax* densely sculptured, punctate or granulate, the basal margin fine but distinct. *Scutellum* large. *Elytra* widest near the hind thighs, sculptured in the same way as the thorax, each elytron very obsoletely tricostate; along the middle the pubescence is disposed transversely, and, at each side of this, is bordered by fine hairs, which form an almost regular line to beyond the middle; there are two other similar lines on each; the lateral pubescence is as distinct as that on the dorsum.

The large scutellum and elytral clothing distinguish this species.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Howick. One in my own collection.

2432. **S. nigricornis**, *n.s.* *Piceous*, subopaque, the thorax slightly nitid, and rufescent in front; the tibiæ and two basal joints of the antennæ pitchy-red, tarsi paler, remainder of antennæ black; the body clothed with fine, short, brassy hairs.

*Antennæ* finely pubescent throughout, basal joint swollen, second nearly as thick but shorter, third rather slender and shorter than the fourth, joints 4-9 nearly twice as long as they are broad, the last two broken off. *Thorax* indistinctly and finely sculptured, not densely, the base finely marginated. *Scutellum* small, but convex. *Elytra* widest near the hind thighs, not double the width of the thorax at the base, humeral angles rounded; sculpture dense, apparently granulate, and with ill-defined series of small punctures, which are most easily seen near the sides.

*Eyes* prominent, oblique, not quite circular. *Palpi* with the last joint thick near the base, but pointed near the apex. *Prosternum*



shorter than thorax, the latter simple. *Tarsi* gradually expanded, so that their fourth joint is broadest.

The dark antennæ will lead to its recognition.

Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{1}{2}$  line.

Moeraki. One, found at the Gorge by Mr. Sandager.

2433. **S. rufescens**, *n.s.* *Opaque*, obscure-red, antennæ and legs almost rufo-testaceous, tarsi yellow; clothed with fine pale hairs.

*Thorax* with fine, dense, inconspicuous, apparently granular sculpture. *Elytra* gradually and slightly dilated posteriorly, their sculpture nearly similar to that of the thorax, but there are also some very indistinct series of small punctures. *Antennæ* rather elongate, joints 3-7 about twice as long as broad, 8-10 rather thicker than the preceding ones, but only a little longer than broad, eleventh oval; all the joints pubescent.

This is the smallest species of the genus.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Moeraki. One example only, found by Mr. Sandager at the Gorge.

## Group—OPATRIDÆ.

### Mesopatrum.

*Nov. gen.*

*Eyes* quite transverse, slightly sinuate in front. Antennal orbits distinctly elevated, extending laterally nearly, if not quite, as far as the eyes. *Labrum* not emarginate. *Clypeus* almost truncate in front. *Palpi* (maxillary) with securiform terminal joints, which, however, are not at all strongly dilated inwardly towards the extremity. The side of the *thorax* is flattened but not reflexed, and has about six moderate indentations. *Scutellum* absent. *Elytra* not margined; their inflected sides or pseudopleuræ are large, and bear coarse punctiform impressions, but are without posterior foveæ. The intermediate *tibiæ* are curved towards the apex. *Tarsi* moderately slender, with short hairs underneath, their penultimate joint distinctly prolonged below the terminal one. *Antennæ* stout; third joint shorter than in *Pseudopatrum*, but longer than in *Periatrum*.

This form is just intermediate between the two genera cited above.

2376. **M. granulosum**, *n.s.* *Opaque*, fusco-piceous; the basal half of the *tibiæ*, and the tarsi, pale-brown; sparsely clothed with minute straw-coloured setæ.

*Head* irregularly, and not closely, punctate and granulate, with an interantennal groove. *Antennæ* of moderate length, setose; third joint twice as long as the short second joint; fourth not perceptibly longer than fifth; seventh and eighth moniliform and transverse; ninth and tenth nearly twice as broad as they are long; eleventh ovate, large. *Thorax* twice as broad as long, widest before the middle, its sides widely explanate, with subcrenate but

not raised margins; posterior angles rectangular, the anterior moderately prominent; the apex with a slight median and large postocular sinuosities, the base widely bisinuate; the middle of the disc is raised, smooth before and behind, but, at each side of this central portion, with dense sculpture, which may also be seen on other spots: there are numerous punctures and minute tubercles or granules on the surface. *Elytra* with somewhat similar sculpture arranged in lines, and with minute asperities on the interstices; on the top of the hind declivity there are two nodules on each elytron, the external the larger, and near the suture, in line with the others, there are two smaller indistinct ones; there is a sort of duplicate or furcate plica behind each shoulder, and some irregular elevations behind near each side. The antennal orbits are more elevated than in *Periatrum*. The first antennal joint is but little exposed.

Length,  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{2}$  lines.

Riccarton, near Christchurch. Mr. H. Suter has been kind enough to send me the only specimen he could find. In its natural condition it may, at first sight, seem like an *Enarsus*.

## Group—MELANDRYIDÆ.

### *Allopterus* (Gen., p. 790).

2377. *A. cavelli*, *n.s.* *Elongate*, more narrowed behind than in front, subopaque, pubescence fine and rather pallid; the body dark-fuscous; on each elytron there is a large pale mark which, at the base, does not reach the side or the sutural stria; in line with the hind thigh there is a small spot which, at the side, is longitudinal, but forms an indistinct transverse fascia behind; there is also an obscure spot near the apex. The *palpi* are yellowish, their terminal joints are narrow but nearly cultriform. *Antennæ* elongate, filiform, inserted in small cavities just in front of the middle of the eyes; their basal joint is slightly curved, the second is hardly more than half the length of the third. The *eyes* extend from the upper to the lower surface, and are scarcely at all emarginate in front. *Thorax* rather longer than broad, narrowed towards the front, with an oblique depression near each side, and a narrow one at the middle, all at the base, which is closely applied to the elytra; its surface finely and closely sculptured. *Elytra* with the suture simple, a sutural stria, and an elongate impression inside the shoulder; they are sculptured like the thorax.

Anterior *coxae* contiguous. *Tarsi* filiform, their fourth joint hollowed out above and almost bilobed; claws appendiculate at the base. *Spurs* of the tibiæ distinctly pectinate.

This species, I think, represents a distinct genus, but I refer it to *Allopterus* until more specimens of this group can be procured, so that the generic characters may be more carefully studied.

Length,  $2\frac{1}{2}$  lines; breadth,  $\frac{1}{2}$  line.

Westland (Boatman's). Named in honour of its discoverer, Mr. A. T. Cavell.

**Onysius** (Gen., p. 843).

2378. *O. pulcher*, *n.s.* *Oblong*, subdepressed, shining; head and thorax with slender, depressed, grey hairs, elytra nearly nude, legs and antennæ with greyish pubescence; colour variegate.

*Head* closely, almost rugosely sculptured, fusco-niger. *Antennæ* nearly double the length of the head and thorax; joints 2-8 very pallid, but with the apex of each infusate; the last three rather broader than the others and almost wholly infusate; the basal joint black, thicker but scarcely longer than the second. *Thorax* but little broader than long, posterior angles oblique, the anterior rounded, the sides a little narrowed backwards and more finely margined than the base, which has a slight but wide notch in the middle; the disc is dark-brown, and this part is closely but not coarsely punctured; near the front angles, and also near the sides, there are irregularly-formed pale marks, these are not closely punctured, some being smooth, the surface is a little uneven. *Scutellum* closely punctate. *Elytra* oblong, nearly twice the width of the thorax, obliquely narrowed behind; they are somewhat uneven above, with a nodosity on each near the extremity; colour pale, almost emerald-green, but with two blackish arrow-shaped marks on the middle, there is a large basal triangular fuscous space; there are also six or seven small spots on each elytron, an oblique transverse black mark in front of the posterior nodosity, and an angular patch outside it, the middle of the side too is blackish; there are six undulations at each side behind, five smaller ones near the shoulder, and five or six minute yellowish ones between the larger series; the punctuation is not close except near the base, it is not at all coarse, and some of the nigrescent spots are nearly smooth and shining. *Legs* elongate, the femora and the middle of the tibiæ fuscous; the rest of the tibiæ, and the tarsi, except the end of each joint, quite pallid. *Underside* fuscous.

This is very much like the typical species, No. 1499, in form, the eyes however are not quite so deeply emarginate; the elytral margins are more evidently undulate, the almost curvate raised space near the hind thigh is absent, and the marks are different.

Length,  $3\frac{1}{4}$ ; breadth,  $1\frac{1}{4}$  lines.

Thames. Mr. Albert Köbele, the eminent American entomologist, kindly gave me the specimen he found.

**Group—SCRAPTIIDÆ.****Scraptogetus.**

*Nov. gen.*

*Eyes* entire, prominent, widely separated above. *Thorax* without distinct lateral margins. No neck. *Maxillary palpi* with their terminal joint not cultriform; its apex is truncate, grooved, and, apparently, minutely denticulate, it is rounded towards the base, and the point of articulation is more to one side than to the other. *Tarsi* heteromerous, the basal joint of the front pair is as long as the



following two, these are longer below than they are above; the third is membranous in the middle but not distinctly lobate; the fourth is inserted near the base of the preceding one, it is quite minute; the third extends below it and the base of the fifth, which last equals the first in length; the basal joint of the posterior is half the length of the whole foot, the second is prolonged under the minute third joint.

The genus appears to me to be intermediate between this group and the *Pedilidæ*.

2379. *S. anthracinus*, n.s. *Elongate*, slightly convex, somewhat shining; sparingly clothed with suberect greyish hairs, and, on the elytra, with some long slender ones; black, legs nigro-fuscous, the knees, tarsi, and palpi paler.

*Head* short, broader than the thorax, moderately closely but not coarsely punctured. *Thorax* longer than broad, with a wide frontal constriction at each side not continued across the top, there is a large depression above near the base, and its sculpture is a little coarser than that of the head. *Scutellum* subquadrate. *Elytra* about twice the width of the thorax, nearly parallel-sided, moderately coarsely rugosely punctured, the punctuation finer behind. *Legs* long, tibiae slender at the base, seemingly unarmed, the middle pair somewhat bent, and thickly pilose, near the extremity.

*Underside* with grey hairs, the abdomen much more finely punctured than the metasternum, this has an elongate depression behind, on each side of the depression there is a patch of dense pubescence; there is a broad groove for the hind thighs. The five segments of the *abdomen* are about equal. The margins of the anterior *coxal cavities* touch one another; they are circular. The mesosternal process is rather narrow and hardly extends as far back as the coxæ. The hind *coxæ* are moderately distant.

*Antennæ* filiform, long, but shorter than the body; their second joint smaller than the first, third scarcely as long as the next one, joints 4–10 become rather shorter, eleventh oviform.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Moeraki. One pair, received from Mr. Sandager. In the female the head is narrower than it is in the other sex.

### Group—CRYPTOMERIDÆ.

Terminal segment of the abdomen covered by the elytra. Tarsi pentamerous.

#### Cryptomera.

*Nov. gen.*

*Body* subovate, attenuated posteriorly, more convex in front than it is behind, finely sculptured and pubescent. *Head* trigonal, much narrowed and somewhat prolonged anteriorly. *Labrum* subquadrate, emarginate in front, separated from the forehead by a distinct suture. *Eyes* lateral. *Antennæ* inserted in cavities in front of

the eyes ; they are elongate and filiform, and are composed of eleven joints. Maxillary *palpi* rather short, their terminal joint subovate, not at all cultriform. *Tarsi* five-jointed, tapering ; joints 1-4 of the posterior a little acuminate at the outer extremity, fifth joint slender, claws small.

The *metasternum* is marked off by a fine suture just behind the middle coxæ ; at the sides it is very short, but near the middle it extends backwards to the second ventral segment ; its lateral borders are oblique, the apices are strongly rounded individually, leaving a gap between them ; it is level with the mesosternum, but on a higher plane than the abdomen, the hind-legs therefore can be accommodated between these two parts of the body, and the point of articulation, being below the lamina-like metasternum, is completely hidden. The *abdomen* consists of five segments ; the basal is the largest ; the ordinary conical prolongation of the last segment, as seen in *Mordella*, is entirely absent. The intermediate *coxal cavities*, on the inside and in front, have raised, thickened, nearly lunate borders. The anterior *femora* are more slender than the middle pair. The middle *tibiæ* are short ; they are gradually expanded, their extremity is oblique and acutely produced at the external angle, on the inside bispinose. The posterior *tibiæ* are longer, their sides are somewhat curved, and the apex, though similarly formed, has only one spine. The front *tarsi* are not in the least dilated ; they are, in fact, more slender than the posterior.

In repose, the front of the head almost overlaps the anterior coxæ. The front legs are placed alongside each other along the middle of the body ; the last two joints of the tarsi reach the second abdominal segment. The middle femur is directed forwards, the tibia obliquely backwards, and the tarsus lies along the side. The hind legs and their point of junction with the body are quite concealed ; the tarsi only are exposed to view.

There are too many points of resemblance between this genus and *Mordella* to allow their affinity to be ignored ; at the same time, there are important disparities of structure that necessitate the formation of a new group. For this group I propose the name *Cryptomeridæ* ; the differentiating characters are indicated above. *Apeosina* is a cognate form ; in its two species the hind thighs and trochanters are visible, but the articulation is concealed.

2380. *C. nigra*, *n.s.* Compact, oviform, elongate ; black, shining ; covered with fine, depressed, ash-coloured pubescence ; head reddish, legs nearly black, tarsi infuscate, sometimes rufescent.

*Head* minutely punctured ; with a frontal groove, which is bent backwards at each side, and forms a curve behind the antennal insertion. *Eyes* distinctly faceted, slightly emarginate at the inner side. *Antennæ* fuscous, the three or four basal joints paler ; the second and fourth longer than the contiguous joints. *Thorax* transverse, narrowed towards the front, the base oblique towards each side, the apex truncate, the sides margined, the hind angles less rounded than the anterior ; the sculpture of its surface is like that



of the head. *Scutellum* triangular, its apex sharp, the lateral sutures very fine; it is minutely punctate. *Elytra* slightly wider behind the shoulders than at the base, very gradually narrowed posteriorly; on each there is a fine sutural stria, which does not reach the base, and two or three very obsolete abbreviated striae behind; the sculpture resembles that of a *Choleva*—that is, it consists of transverse linear impressions.

*Underside* black, subopaque, covered with fine, depressed, yellowish hairs, without distinct punctuation.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Boatman's, Westland. Mr. A. T. Cavell was kind enough to send me two examples of this curious and important little insect. I found a single specimen at Stratford, near Mount Egmont, which does not agree exactly with the type: this leads me to think that other closely-allied species exist.

## Group—OTIORHYNCHIDÆ.

### *Nicæana* (Gen., p. 427).

2381. *N. cervina*, *n.s.* *Oblong-ovate*, fuscous, densely covered with depressed, small round scales; these are brownish-grey for the most part, very few are grey, but some dark ones cause the middle of the thorax, and an elongate spot near each of its sides, at the base, to appear fuscous; there are also irregular dark marks on the elytra; the setæ on the wing-cases are grey, erect, and rather long, but those on the thorax are slender and yellowish; the antennæ are red, the legs infusate-red.

*Thorax* as long as broad, its sides rounded, widest behind the middle, its punctuation hidden. *Scutellum* small. *Elytra* subovate, very little wider than the thorax at the base, the suture somewhat raised posteriorly; finely striate, the striae not distinctly punctured, but with some slender depressed setæ. *Scape* much incrassate apically, this portion with moderately coarse setæ, the base nearly glabrous. *Funiculus* with greyish hairs, the second joint rather shorter and more slender than the first, 3-6 bead-like, seventh a little larger than sixth; club elongate-oval, subacuminate, densely pubescent.

*Underside* fuscous, with greyish hairs; basal ventral segment largest, second longer than the metasternum, third and fourth, at the sides only, as long as the second.

The mandibular scar is indistinct. The *scrobe* has a very shallow, oblique prolongation. The *corbels* are not cavernous. There are no *ocular lobes*.

*N. cinerea* is the nearest ally, but the peculiar brassy squamæ are distinctive. *N. concinna* is larger, with a larger, densely-clothed scutellum, and two distinct dark basal spots on the thorax, in addition to other differences. The *eyes* in *N. cervina* are more convex than in either of these species, and, though nearly round, extend longitudinally rather than downwards.



Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Moeraki. One example has been placed at my disposal by Mr. Sandager.

### Tigones (Gen., p. 855).

2382. **T. cavelli**, *n.s.* *Opaque*, usually chestnut-red; densely covered with flat round scales, which on some parts are nearly white, on others almost fawn-coloured; there are also numerous erect, but not coarse, fuscous and pallid setæ.

This species differs from Dr. Sharp's *Protophormus gracilis* in several details. The *rostrum* has a fine but quite distinct carina. The intermediate as well as the front *tibiæ* are obviously flexuous. There is no pale fascia between the hind thighs, and the fifth interstices are scarcely at all raised behind. The *scutellum* is covered with hair-like scales. The *underside* is clothed with oviform grey scales and depressed setæ. The *metasternum* is convex, with a fovea-like depression behind. *Abdomen* nearly plane.

The *thorax* is just about as long as it is broad, cylindrical, a little constricted in front, and very slightly rounded at the sides; its punctuation is concealed. The *elytra* are nearly twice the width of the thorax at the base, and are very gradually narrowed from the shoulders backwards; their punctuation is moderately fine and regularly serial.

Fem. *Elytra* broader, oblong, apices prolonged and divergent. The two basal ventral segments slightly convex, the others on a lower level, with very broad deep sutures. Front and middle *tibiæ* only slightly bent.

♂. Length (rost. incl.),  $2\frac{7}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Westland. Named in honour of its discoverer, Mr. A. T. Cavell, of Boatman's.

Obs.—The coloration seems to be variable, the squamosity on the thorax of one specimen being slightly tinged with green, in another it is of nearly the same colour as the derm.

2383. **T. obscura**, *n.s.* *Opaque*, densely clothed with small, depressed, dark-fuscous, very pale brown, and a few grey scales; these last form a patch inside the shoulders along the front of the base; the *scutellum* is greyish; apex of rostrum, and the antennæ, reddish, the tarsi rufo-castaneous.

*Rostrum* feebly ridged. *Thorax* almost as long as broad, rather wider just before the middle than it is elsewhere, slightly constricted in front, hardly at all uneven above, its punctuation entirely concealed; it bears a few fine, erect, fuscous setæ. *Elytra* twice the breadth of the thorax at the base, nearly parallel-sided as far as the hind thighs, from thence narrowed, with simple apices; their series of punctures are comparatively small and narrow, with a minute decumbent grey seta in each puncture; the suture is a little raised posteriorly, the interstices have brown or greyish upright setæ, the third and fifth are not distinctly elevated, but there is a small tuft below the top of the declivity on the fifth interstice.

Distinguished from *Protophormus gracilis* by the flexuose intermediate tibiæ, and the absence of the pale elytral fascia, &c.; and from *T. cavelli* by the broader thorax, shorter elytra, and finer serial punctuation, &c.

*Eyes* distant from thorax, prominent, directed forwards more than downwards. *Scrobes* deep in front, rapidly becoming shallow. *Ocular lobes* obsolete. *Corbels* of hind tibiæ narrowly cavernous.

♂. Length (rost. incl.),  $2\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Moeraki. Found by Mr. Sandager. Fem. incog.

### Catoptes (Gen., p. 428).

2384. **C. latipennis**, *n.s.* *Pitchy-black*, antennæ and tarsi dark-red; densely covered with small, flat, greyish-testaceous scales, and with many erect setæ.

*Rostrum* at least one-third shorter than the thorax; rather broad, with a fine carina along the middle. The *scape* touches the thorax. *Funiculus* rather short, its two basal joints nearly equal, the third slightly longer than the fourth; club acuminate, rather elongate. *Thorax* about one-fourth broader than long; its sides well rounded; its widest part just before the middle; its punctuation rather fine near the apex and becoming obsolete behind; the surface without distinct depressions or elevations. *Scutellum* very small. *Elytra* broad, nearly double the breadth of the thorax, slightly narrowed at the shoulders, not acuminate posteriorly; their regular series of punctures much hidden; the third and fifth interstices a little elevated, but not at the base, and nodose behind; the prominence on the third placed further back than that on the fifth, and larger; the suture somewhat convex behind.

The *eyes* are a little more prominent behind than in *C. obliquisignatus*; the rostrum is evidently shorter and thicker; the antennæ are shorter; the thorax more transverse, with almost regularly curved sides; the hind-body shorter and broader; coloration darker, &c.

A specimen received as the male is narrower ( $3 \times 1$ ), but the rostrum is longer and more slender, the eyes are less convex, and the thorax is as long as it is broad.

Length (rost. incl.),  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Moeraki. One female, found by Mr. Sandager.

2385. **C. furvus**, *n.s.* *Fusco-piceous*, or blackish, the thoracic apex, tarsi, and antennæ reddish; closely covered with dull yellowish-grey, small, depressed squamæ, and bearing numerous conspicuous pallid setæ.

*Rostrum* one-third shorter than thorax, with a fine median carina, dilated (pterygiate) in front. *Thorax* of equal length and breadth; widest before the middle; the sides, however, almost regularly rounded; without obvious superficial inequalities, having only a broad, shallow impression near the front, extending from one side to the other but obsolete at the middle, and a dorsal channel



which is obliterated near the middle; the punctuation shallow. *Scutellum* small. *Elytra* rather narrow, not twice the width of the thorax anywhere; the shoulders narrowed, but not suddenly, to the breadth of the thorax at the base, which is somewhat incurved; they have series of moderately-distant punctures; the interstices bear the setæ; the third and fifth are slightly raised, and terminate at the top of the declivity in moderate prominences; the third extends further back, and it is also a little raised at the base; the apices are simple. *Antennæ* with fine grey setæ, club elongate and finely pubescent; third joint of the funiculus a little longer than the fourth; the basal two nearly equal. *Tibiæ* flexuose.

The two basal segments of *abdomen* broadly impressed along the middle; in *C. latipennis* they slope towards each other.

The eyes and rostrum are similar to those of *C. obliquisignatus*. The *scape* attains the thoracic margin. The *ocular lobes* are quite as well developed. The *thorax* is longer and oviform. The *elytra* are elongate and narrower, and rather flatter above. The posterior tibia, at the extremity, with a quite perceptible but very narrow space between the outer and inner ciliæ; the *corbel*, therefore, must be considered cavernous. The corbel, in *C. latipennis*, has a fringe inside the sharp edge, but there is no truncate space there, so that it is not cavernous.

♂. Length (rost. incl.),  $3\frac{1}{2}$ ; breadth, quite  $1\frac{1}{8}$  lines.

Moeraki. Collected by Mr. Sandager.

OBS.—Mr. Sandager also sent a female which he considers to be this species. I cannot agree with him on this point; but I give a brief description showing the principal differences:—

The *rostrum* is obviously shorter and broader, and it is pinched in or depressed near the eyes. The *club* is more ovate and acuminate. The *eyes* are a little closer to the thorax. The *ocular lobes* are rather less developed. The *thorax* is about one-fourth broader than it is long, with many small obtuse elevations, which are most conspicuous near the base. The margins of the *elytra* alongside the *scutellum* are raised or thickened. The *elytra* are broad and subcordate, with prolonged acuminate apices. The *legs*, and more especially the tarsi, are more slender. The *punctuation* of the thorax, and of the elytral interstices, is very fine, close, and shallow. Size,  $3\frac{1}{2} \times 1\frac{3}{8}$  lines.

Nos. 1231, 1232, and 2127 are congeneric, and of similar outline. These I referred to *Inophlæus* on account of the cavernous posterior corbels, &c., but I thought it advisable to defer making a new genus for them until I had more specimens. I still think that these really belong to a distinct genus intermediate between *Catoptes* and *Inophlæus*, partaking the characters of both.

### Brachyolus (Gen., p. 432).

2386. *B. viridescens*, n.s. Opaque, piceous, antennæ red, legs infusate-red; covered with small flat scales, some of which,



especially behind, are grey, but the greater number are of a yellowish colour tinged with green.

*Rostrum* rather shorter than thorax, transversely convex, but depressed near the eyes, with slender grey hairs in front. *Scape* with grey scales and setæ. *Funiculus* with grey and fuscous hairs, the first two joints elongate and nearly equal, third and fourth each nearly as long as second, 5-7 longer than broad; club elongate, oval. *Thorax* one-fifth broader than long, somewhat wider before the middle than it is elsewhere, narrowed in front, the sides nearly straight behind but slightly narrowed; its surface uneven, there being a shallow dorsal channel and two large, though not deep, impressions near each side behind the middle; it has a few short, erect, pale and fuscous setæ. *Scutellum* absent. *Elytra* short and broad, the shoulders hardly any wider than the base of the thorax, sides rounded; when examined sideways they appear to be gradually raised towards the middle, but the sutural region is nearly flat; each has four or five dorsal series of not very distinct punctures, not more than six in each row, these cease near the middle; the third interstices are elevated near the base, where they bear grey scales and coarse setæ, the shoulders similarly clothed; these interstices do not appear to be much raised just beyond the middle, but, on the top of the declivity, form large setose nodosities, the fifth end in obtuse swellings rather than nodules a little higher up; there is a small elevation on the suture halfway down the declivity; they bear short, coarse, erect setæ. *Legs* with greyish scales and setæ, those on the tibiæ and tarsi hair-like.

*Eyes* oblique, oviform, just free. *Scrobes* deep in front, directed towards, but not reaching, the lower part of the eyes. The *scape* obviously shorter than the funiculus. *Ocular lobes* moderate. *Posterior corbels* not cavernous.

Length (rost. incl.),  $2\frac{1}{4}$  lines; breadth, 1 line.

Stratford, Taranaki. One individual.

2387. **B. posticalis**, *n.s.* *Opaque*, densely covered with round, flat, pale-brown and grey scales, these latter forming small spots on the elytra; on the thorax there are many erect fuscous setæ, on the elytra the setæ are yellowish and grey; the squamosity on the rostrum is testaceous; tarsi yellowish-brown; funiculus shining, dark-red; scape and club dull.

*Rostrum* short, depressed in front of the eyes; the scrobes deep in front, very shallow behind, where they are directed downwards. *Eyes* just free from thorax, almost pointed below, oblique (extending forwards as much as downwards). *Scape* gradually thickened, attaining the middle of the eye; reddish at base, infusate beyond, with some erect fuscous setæ. *Funiculus* with slender setæ or hairs, second joint quite as long as the first, 5-7 moniliform; club large, subacuminate. *Thorax* about as long as broad, widest near the front, where there is a depression at each side; there is another depression on the middle in front, and a smaller one at the base, almost continuous with the frontal one; the surface generally is

uneven, but the punctuation cannot be seen; the sides are narrowed behind, with pallid squamæ there. *Scutellum* minute. *Elytra* much broader than the thorax, base arcuate; shoulders with a few pale scales, much narrowed, so as to be hardly any broader than the base of the thorax; they are narrowed and deflexed posteriorly; third interstices irregularly elevated, not projecting in front, but ending in a small nodosity on the top of the declivity, where there is a larger prominence placed a little further back and extending to the side; in front of these there is a large irregular depression on each elytron, reaching from the side to the suture; the surface very uneven, with two nearly regular series of punctures on each side of the suture, which bears yellow setæ, and is more or less raised behind.

Scrobes easily seen from above. Ocular lobes not strongly developed. Posterior tibiæ with closed corbels. Comes near *B. bagoides*.

Length (rost. incl.), 2 lines; breadth,  $\frac{7}{8}$  line.

Moeraki. Found by Mr. Sandager, who also sent two varietal forms.

### **Aporolobus** (Gen., p. 1186, Part V.).

2388. **A. pallidus**, *n.s.* *Fuscous*, tarsi reddish, antennæ darker; covered with small, flat, greyish and greyish-testaceous scales, and short, mostly erect setæ, the setæ on the thorax rather shorter than those on the elytra.

*Rostrum* short and broad. *Scape* very thick, reaching the thoracic margin; opaque, rather finely setose. *Funiculus* dark-red, shining, bearing griseous hairs, first joint very thick, second about as long but more slender, 3-7 broader than long, seventh strongly transverse; club short, compact, ovate. *Thorax* broader than long, its sides well rounded, widest before the middle, much narrowed but not constricted in front, its sculpture hidden by the squamosity. *Elytra* substriate, not distinctly punctate, the sutural region raised behind.

*Underside* slightly rufescent, with round and hair-like scales, not densely clothed; the basal segments depressed or flattened.

When compared with *A. irritus* some important differences may be noticed. The rostrum is broader, and not laterally compressed near the eyes. The scape is notably thicker, with coarse decumbent setæ, but the erect setæ are finer. The first joint of the funiculus is much stouter, as are also the femora. The two first ventral segments are flattened, and the ocular lobes are rather more distinct.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth, quite  $\frac{5}{8}$  line.

Moeraki. Three examples, found on the sandhills by Mr. Sandager.

### **Geochus** (Gen., p. 445).

2389. **G. plagiatus**, *n.s.* *Broad*, subovate, a little nitid, bearing a few very minute, and some longer, pallid, mostly decumbent, setæ; pitchy-black, the rostrum and front of thorax reddish, legs piceo-



rufous, antennæ and tarsi pale-red; on the elytra there is a large transverse, reddish basal space, and across the top of the apical declivity there is an interrupted band of similar colour.

*Rostrum* short, broad in front, narrowed towards the eyes, dull, with pale hairs in front, not distinctly punctate, with four more or less evident but fine costæ. *Thorax* much narrowed anteriorly, moderately punctured, more coarsely near the sides. *Elytra* very broad, short, scarcely wider than the thorax at the base, nearly quite vertical behind, a little uneven above; there are, on each, two sutural series of punctures, about five in each row, the punctuation beyond these is very irregular, the declivity is substrate; the third interstices are slightly elevated, on the summit of the posterior declivity the fifth are rather strongly nodose; between these nodosities there are six small elevations, which, owing to the contrast in coloration there, appear larger than they are in reality, and at each side, not quite so far back, there is another nodiform elevation. *Legs* with greyish setæ; the *tibiæ* are short and much dilated towards the extremity, which is quite oblique; *tarsi* without claws, and, except the glabrous basal portion of the first joint, densely clothed underneath, their third joint not so broad as the preceding one, and widely, but not deeply, emarginate at the apex; the articulation of the basal joint with the tibia is extremely slender.

*Antennæ* shining; scape short, its apex clavate, funiculus elongate, its first joint stout and subovate, second longer than third, joints 3-7 almost bead-like; the *club* may be looked upon as four-jointed or three-jointed: if the former, its basal joint is little more than half the width of the next one, the terminal being extremely small and narrow; on the other hand, if it be considered triarticulate, the funiculus must be eight-jointed, the eighth joint being disproportionally and abruptly larger than the seventh.

I have examined the other species with the following result:—

*G. inæqualis*.—Funiculus seven-jointed, the eighth forming part of the club.

*G. politus*.—Funiculus seven-jointed, eighth joint belonging to the club.

*G. rugulosus*.—Funiculus seven-jointed, eighth joint red, club piceous.

*G. similis*.—Funiculus seven-jointed, eighth joint distinctly marked off.

*G. nodosus*.—Funiculus seven-jointed; eighth joint very large, part of the club.

These notes prove that the antennal structure is not of generic importance, the species being otherwise much alike and forming one natural group.

The *eyes* are very flat and coarsely faceted.

*Underside* piceous, with a few very minute setæ. Basal segment of the abdomen with two transverse series of punctures. The surface might be termed plane if it were not for the presence of two raised linear spaces between the middle and hind pairs of coxæ.



There is no pectoral canal, unless the broad space between the anterior coxæ can be regarded as one. The *coxæ* are subglobose.

Obs.—In the generic description, page 446, second line, an error occurs. It ought to be—"Prosternum slightly concave, but *without* pectoral canal."

Length (rost. excl.),  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{2}$  line.

Moeraki (Waterhouse Bush). Described from two examples sent by Mr. Sandager.

2390. *G. puncticollis*, *n.s.* *Subopaque*; elytra pale chestnut-red, the third and fifth interstices pitchy near the middle; thorax almost quite red, head black, rostrum pitchy-red, tarsi of nearly the same colour as the elytra; antennæ shining, fulvescent; club darker, four-jointed; the body sparingly clothed with elongate, depressed, pallid setæ, and bearing also a few very minute setæ.

*Rostrum* narrowed towards the eyes; its sculpture consists apparently of rows of punctures and smooth longitudinal interstices. *Thorax* much narrowed towards the front, with an indistinct dorsal carina in front, its punctuation rather close, closer than in any other species; a very minute seta in each puncture. *Elytra* widest near the middle, without superficial inequalities, with regular series of closely-placed punctures, giving a somewhat striate appearance.

*Legs* like those of the *G. plagiatus*. *Antennæ* similar; the club may be termed four-jointed, as the eighth joint of the funiculus differs from the seventh in colour and appearance.

*Underside* piceous; the basal ventral segment with four almost regular transverse series of punctures. *Coxæ* subglobose.

This species is not so broad behind as *G. plagiatus*, the hind-body is longer, and the posterior declivity is much less abrupt.

Var. A. Body nearly concolorous chestnut-red.

Var. B. Elytra with nearly all their basal half piceous.

Length (rost. excl.),  $\frac{7}{8}$ ; breadth,  $\frac{5}{8}$  line.

Moeraki (Gorge). Four specimens, all from Mr. Sandager.

## Group—RHYPAROSOMIDÆ.

### *Erymneus* (Gen., p. 435).

2391. *E. irregularis*, *n.s.* *Opaque*, piceous, densely covered with infusate-red, and pale, scales and setæ; the former predominate.

*Rostrum* longer than thorax, a little expanded in front of the antennal intersection, reddish, finely irregularly punctate, and indistinctly carinate there; behind that point coarse setæ or scales form longitudinal crests; there are also two minute interocular tufts. *Scape* flexuous, much clavate at apex, bearing minute brassy setæ. *Funiculus* similarly clothed, but having also some yellow hairs; second joint slender, quite as long as the first; joints 3-6 nearly equal, not transverse; seventh larger; club short, ovate, finely pubescent. *Thorax* quadrate, its sides slightly rounded; with three

moderate frontal ridges, the middle one ends before it reaches the large basal depression, the others are oblique. *Elytra* nearly twice as long as broad, quite oviform, scutellar region depressed; no punctures are visible, but the crests or elevations are numerous and irregular, four near the base are elongate, one near each shoulder, and one bordering each side of the scutellar depression; very few minute black granules may be seen here and there; the posterior declivity is rather long, and not at all abrupt.

It is most nearly allied to *E. ferrugatus*.

Length (rost. excl.),  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{4}$  lines.

Māngawhare, Northern Wairoa. My specimen was found by Mr. G. C. Munro.

OBS.—No. 760 will be more correctly placed in *Erymneus*.

## Styphlotelus.

*Nov. gen.*

*Rostrum* shorter than thorax, arched, a little dilated anteriorly, its apex truncate. *Mandibles* with a median tooth on the inside. *Palpi* exposed, but not long. *Scrobe* foveiform, situated just before the middle, with an indistinct squamose groove behind. *Scape* flexuous, its extremity clavate; it just reaches the back part of the eye. *Funiculus* 7-articulate; the two basal joints equally elongate, third rather smaller than fourth, the next three almost equal, seventh larger than sixth; club short, ovate. *Eyes* quite free, widely distant above, not prominent, oblique, oviform. *Thorax* without ocular lobes, subquadrate, rather longer than the prosternum. *Scutellum* absent. *Elytra* deeply emarginate and depressed at the scutellar region, between this and the thorax there is a deep gap, the humeral angles porrect; they are nearly twice as long as they are broad, and are abruptly declivous and narrowed behind. *Femora* notched near the extremity. *Tibiæ* mucronate. *Tarsi* short, their soles densely clothed; third joint excavate above but not lobate. *Prosternum* incurved in front, coxæ large and contiguous. *Metasternum* of moderate length. Posterior *coxæ* widely separated. *Abdomen* long, its two basal segments connate, without the least trace of suture at the middle, very large; third and fourth extremely short, their sutures straight and deep; fifth bent upwards. The *peduncle* rather short, mentum about as long as broad.

In *Cuneopterus* the tibiæ are unarmed, and the rostrum is rather slender and elongate, which is not the case in this genus. *Pachypripnus* has prominent eyes. In *Astyphlus* the rostrum and scape are longer. *Phrynixus* has more prominent eyes and tibial spurs.

2392. **S. foveatus**, *n.s.* *Body* elongate, gradually and almost uninterruptedly narrowed towards the front; opaque, black, antennæ and tarsi infusate-red.

*Rostrum* with two very indistinct frontal grooves, behind there is a feeble median carina, and, on either side of it, a shorter curvate one; the sculpture, however, is concealed by squamæ and setæ.

*Head* narrowed towards the point. *Antennæ* with minute setæ and yellow hairs, the scape with some coarse setæ. *Thorax* very slightly narrowed towards the front, its sides straight, the sculpture consists of coarse punctures; there are three frontal ridges, the central one ends where the large basal depression begins, the others are oblique and become obsolete behind. The *elytra* are of the same width as the thorax at the base, the sides are very gently rounded, their surface is nearly flat; the top of the posterior declivity is subtruncate, and there are six very small inequalities there, formed chiefly by fine pallid setæ; a little lower down, at each side, there is a much larger prominence similarly clothed; on each elytron there are four series of coarse foveiform punctures, about seven in each row; the pseud-epipleuræ are also coarsely punctate; the squamosity is principally reddish-brown, and, for the most part, quite minute; the setæ, of similar colour, are depressed, and disposed transversely as on the thorax; on each side, near the hind thigh, there is a prominent nodosity; fine, slender, pallid setæ form two spots in line with the hind thighs near the suture, and, before these, but close to the suture, there are two more elongate ones; several very small, pale elevations may be seen on the hind declivity, which is almost punctate-striate. The *legs* bear scales and setæ, both rather fine.

*Underside* with yellowish setæ; the abdomen with coarse, irregular, foveiform punctures; between the hind coxæ the suture is subtruncate, the space between them is a little raised, and, just behind this, there is a transverse depression which is indistinctly prolonged as far as the third segment.

Length (rost. excl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{3}{8}$  lines.

Dyer's Pass, Canterbury. One pair, found by Mr. H. Suter.

2393. **S. fascicularis**, *n.s.* Opaque, black, antennæ and tarsi piceous.

This species is so like the typical one that it is only necessary to indicate the details of difference. The *thorax* is rather more narrowed anteriorly, and the sides are a little rounded towards the base; the three frontal ridges bear yellowish setæ. The *elytra*, near the middle, have two oblique, elongate elevations, not touching the suture, clothed with fine yellowish setæ, instead of the four spots seen in the other species, and the lateral nodosity at each side between the middle and hind thighs is larger. The *antennæ* are rather longer, the scape is more slender and not so abruptly clavate, and the third joint of the funiculus is not smaller than the fourth. The *rostrum* is more elongate. The *legs* bear some coarse setæ. The *rostrum* is finely, closely, almost rugosely, punctate in front.

The *eye* exhibits an important difference, being quite longitudinally oval; it is, moreover, rather smaller. The shallow groove between the antennal insertion and the eye can hardly be detected, owing to the squamosity.

Length (rost. excl.),  $3\frac{1}{2}$ ; breadth,  $1\frac{1}{2}$  lines.

Mokohinou Island. One specimen, in bad condition, sent by Mr. Sandager.



**Clypeorhynchus** (Gen., p. 1210, Part V.).

2394. **C. cordipennis**, *n.s.* *Convex*, subopaque, fusco-ferruginous, antennæ and tarsi reddish; sparingly clothed with sub-depressed pale-yellow setæ, and a few erect scale-like ones.

*Rostrum* convex, with a longitudinal depression near each side, its sculpture concealed by hair-like squamæ; the apical portion shining, dark-red, and finely punctate. *Antennæ* reaching the shoulders; scape flexuous, thickened towards the extremity, touching the front of the thorax, with some erect setæ; funiculus with the two basal joints elongate and slender, the second rather shorter than the first. *Head* feebly impressed between the eyes. *Thorax* about as broad as long, widest before the middle, much narrowed behind; with an indistinct central groove, the borders of which, in front, are nearly smooth, the surface has some coarse punctures and appears a little rugose; pale setæ form a line near each side, and two small frontal crests. *Scutellum* invisible. *Elytra* cordiform, not twice the breadth of the thorax, the shoulders obliquely narrowed to the width of the thorax at the base, and, on the outside, densely covered with pallid setæ; series of punctures form more or less evident striæ, on the apical portion the striæ are well marked; the basal region is somewhat blackish, and there a few minute tubercles may be seen; the coarse setæ are placed singly, but do not cause spots. *Legs* long, femora clavate, slender near the base; tibiæ flexuous inwardly, their inner angles acuminate; tarsi with grey pubescence underneath, third joint with elongate lobes.

*Underside* infusate-red, with elongate depressed setæ; prosternum emarginate in front; ocular lobes well developed; metasternum broadly impressed; fifth ventral segment simple; eyes transverse; rostrum pterygiate at the point of antennal insertion, slightly broader there than it is in front.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth, quite  $\frac{3}{4}$  line.

Westland (Boatman's). Mr. Cavell sent me two specimens which he found during June and July, 1891.

Obs.—A third example is narrower, with a well-marked inter-ocular depression, the rostrum is indistinctly bicarinate, the thorax is slightly longer, the elytra are narrower near the middle and have four slight basal elevations. This may prove to be the male.

2395. **C. cristatus**, *n.s.* *Subopaque*, obscure brick-red, antennæ reddish, tarsi paler, the setæ yellowish.

Agrees in most respects with the description of *C. gracilipes*, but differs therefrom in some points. The *thorax* is as broad as it is long, widest near the front, and much narrowed behind; the frontal depression is prolonged backwards, there are two crests in front; at each side, near the middle, there is a distinct prominence; pale setæ form a streak near each side, and a dense patch on the outside of each shoulder; although the upper surface is somewhat rugose, the sides are obviously punctate. The *elytra* are nearly twice the breadth of the thorax in their widest parts, but both are of equal

width at the base; the shoulders are oblique; there are four setose basal elevations, and some minute tubercles near the suture, they bear series of punctiform impressions which become striæ behind, the scutellar region is depressed; the setæ, for the most part, are small and depressed, the coarser ones form but few spots behind.

*Underside* rufo-fuscous, with slender scales; the metasternum with a small impression behind; the fifth abdominal segment, for half its length, is depressed and glabrous.

Length (rost. excl.), 3; breadth,  $1\frac{1}{4}$  lines.

Westland (Boatman's). This is another of Mr. Cavell's interesting novelties. One individual, however, is all he could find. June, 1891.

## Bantiades.

*Nov. gen.*

*Rostrum* rather longer than the thorax, not pterygiate, slightly arched, cylindrical. The *scrobes* begin near the front, where they are visible from above; they are deep and broad, and are prolonged along the lower surface to the eyes. *Thorax* contracted in front for one-third of the entire length, its apex truncate, with small ocular lobes. *Eyes* situated at the sides of the head, widely distant above, almost touching the thoracic margin; they are small, coarsely faceted, narrow (longer in the transverse direction than they are from front to back), and almost acuminate below. *Scutellum* invisible, its region depressed. *Elytra* a little broader than the thorax at the base, suboblong, shoulders not porrected. The *scape* is rather short and moderately thick, gradually incrassated, bearing coarse erect setæ; it does not reach the eye. *Funiculus* 7-articulate, its two basal joints of about equal length, moderately elongate; joints 3-7 are short, almost transverse; the first four bear coarse setæ, the others long slender ones; club compact, short, oval, articulate, pubescent. *Femora* clavate, angulate, and toothed underneath. *Tibiæ* with a distinct dilatation along the inside, near the middle, with curved terminal hooks. *Tarsi* rather short, their third joint excavate above and almost lobate; claws small. *Prosternum* very deeply emarginate in front; anterior coxæ large and contiguous. *Metasternum* very short, not half as long as the large basal segment of the *abdomen*; the second segment also large, the suture between them obliterated in the middle; the third and fourth short, with deep sutures. Middle *coxæ* moderately distant, the intervening space concave behind; hind coxæ far apart. *Epipleuræ* extremely narrow throughout.

The rostrum is thicker and shorter than in *Phrynixus*, to which this genus is allied; the mandibular scar I cannot see; the corbels of the posterior tibiæ are not cavernose. The structure of the femora is a good differentiating character.

2396. **B. fuscatus**, *n.s.* *Convex*, covered with fuscous sappy matter; when denuded, the surface appears brown, reddish on the elytral disc, and rufo-piceous on the thorax; the rostrum is pitchy,

but has a red streak along the middle; antennæ reddish, with fulvescent club; legs infusate-red.

*Rostrum* with five fine costæ behind, the grooves between them punctate, in front it is tricarinate; it is fringed, near the front, with coarse fuscous setæ, but, near the apex, bears yellow hairs only. *Thorax* slightly broader than long, the contracted anterior portion moderately finely punctured; the basal portion with coarse rugose punctuation, and an indistinct central carina; there are coarse setæ on the sides, but only a few slender yellow ones on the disc. *Elytra* arcuate at base, moderately narrowed and deflexed behind, their sides inflected; on the disc of each elytron there are four series of coarse punctures, about six in each row, beyond these the punctuation is not so regular, the posterior declivity is punctate-striate; they bear very short yellow setæ, rather longer, sometimes paler setæ form small prominences near the top of the hind slope, which, though a little raised, does not appear distinctly nodose; the third interstices are somewhat elevated near the base. *Legs* clothed with moderately coarse, more or less erect setæ.

*Underside* with fine setæ, and some very coarse punctures on the metasternum and first ventral segment.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Moeraki. Discovered by Mr. Sandager. A second specimen, in its natural state, is larger ( $1\frac{3}{4} \times \frac{7}{8}$  lines); it is probably a female.

### Group—ERIRHINIDÆ.

#### *Eirrhinus* (Gen., p. 449).

2397. *E. anxius*, n.s. *Subovate*, elongate, slightly convex, a little shining, black; tarsi fuscous, legs more or less infusate; funiculus piceous, scape fulvescent; clothed with slender, ash-coloured or greyish hairs.

*Rostrum* arched, slender, parallel, elongate, smooth along the middle, with rows of fine punctures near each side. *Scape* slender, thickened apically, attaining the eye; *funiculus* longer, its basal joint largest, much incrassate towards the extremity; second slender, longer than third; joints 3–7 become shorter, the seventh being transverse; *club* rather large, oval. *Thorax* much broader than long, narrower in front than it is behind, its sides rounded; the surface distinctly but not closely (except at the sides) punctured; there are no ocular lobes; the base and apex truncate. *Scutellum* small. *Elytra* oblong, twice as long as broad, apices individually rounded; striate-punctate, interstices nearly flat, very indistinctly punctured. *Femora* medially thickened, but not perceptibly dentate; *tibiæ* stout, flexuous, unarmed.

*Underside* smoky-black, pubescence greyish; *metasternum* moderately large, convex, with a small depression behind, the middle with fine transverse striæ, the rest of its surface punctate; *abdomen* elongate, not depressed, its second segment shorter than the following two conjointly.



The dark colour, long hind-body, slender rostrum, and brightly-coloured scape distinguish this species.

*Antennæ* implanted before the middle of the snout. *Eyes* rounded, not prominent, not widely distant above.

VAR.—Femora at the base, and the tibiæ near the extremity, fusco-testaceous; most part of the disc, and two minute basal spots on elytra, of nearly similar colour.

Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth, nearly  $\frac{1}{2}$  line.

Boatman's. Four from Mr. Cavell. I found one on Mount Egmont. The insect may be widely distributed.

2398. *E. fuscipes*, n.s. *Oviform*, elongate, slightly nitid; the rostrum, thorax, most part of the elytral base, and the club, blackish; scape reddish; the other parts pale testaceo-fuscous; sparingly clothed with short griseous hairs.

This resembles *E. anxius*; the body, however, is narrower and more attenuated posteriorly. *Thorax* about as long as it is broad, more closely punctured. *Elytra* not oblong, gradually narrowed backwards, with a few coarse, depressed, pallid setæ on the posterior part of the suture.

*Underside* nearly black, shining, finely and distantly punctured; the metasternum and two basal segments of the abdomen distinctly depressed longitudinally.

The *eyes* are more widely separated above than they are in *E. anxius*, with pale scales between them. The *rostrum* is striate-punctate. The *antennæ* arise from before the middle of the rostrum.

♂. Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Mount Egmont, elevation 4,000ft. Two examples.

## Alloprocas.

*Nov. gen.*

*Eyes* rotundate, slightly prominent, just free. *Head* globose underneath. *Rostrum* arched, a little longer than thorax, not slender, of nearly equal thickness throughout. *Antennæ* inserted just before the middle in the female, near the front in the male; the *scape* touches the eye. *Thorax* transverse, apex obtusely rounded, base subtruncate. *Scutellum* distinct. *Elytra* suboblong, a little wider than the thorax at the base, very gradually narrowed from the shoulders backwards. *Scrobe* lateral, its lower margin extending to the lower and front part of the eye. *Ocular lobes* absent. *Legs* about equidistant from front to rear, the mesosternum about as long as the metasternum. *Abdomen* with the second segment shorter than the following two, its frontal suture sinuate. *Femora* a little clavate, the anterior with a denticle underneath, the others slightly angulate and dentate. *Tibiæ* flexuous, with small terminal hooks. *Tarsi* moderate, third joint bilobed, claws thickened at the base. *Front coxæ* contiguous. *Prosternum* with a semicircular emargination, the outer angle dentiform.

The genus is allied to *Erirhinus* and *Aneuma*.

2399. **A. rufus**, *n.s.* *Subovate*, convex, castaneous or reddish, but little shining; legs and antennæ chestnut-red, club infusate.

*Funiculus* 7-articulate, basal joint largest, incrassate apically, second slender, only moderately elongate, 3-7 become shorter, seventh transverse; club oblong-oval. *Thorax* slightly narrowed towards the front, almost constricted there, its sides somewhat rounded; it is moderately closely and distinctly punctured, and is clothed with slender yellowish hairs. *Elytra* almost punctate-striate; interstices convex, each with a row of fine distant punctures; the clothing consists of pale, rather short and slender, semi-erect hairs, and, in addition, there are a few scattered, conspicuous, but not at all elongate, hair-like setæ.

*Underside* reddish, punctate, with greyish pubescence.

*Metasternum* short, convex, but depressed behind at the middle. The two basal ventral segments somewhat depressed.

Length (rost. excl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{2}$  line.

Boatman's. Another of Mr. Cavell's discoveries.

2400. **A. niger**, *n.s.* *Black*, moderately shining, the scape and tarsi infusate; elytra sparingly clothed with short, slender, mostly erect, grey hairs, those on the thorax longer and decumbent.

Very similar to *A. rufus*. There are about twelve punctures between the eyes in the *male*. The *antennæ* are shorter. The *thorax* is smaller, more rounded laterally, and it is not depressed in front. The middle *tibiæ* are dilated inwardly near the middle.

*Underside* black, shining, punctate, with grey hairs, the metasternum with fewer punctures, abdomen slightly convex. The borders of the prosternal emargination, though a little swollen, are without any apparent tooth at the point where they unite with the outer margin.

Length (rost. excl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Boatman's. Found by Mr. Cavell.

## Celetotelus.

*Nov. gen.*

*Rostrum* shorter than thorax, moderately stout, gradually expanded towards the extremity. The *scrobe* commences near the apex, and extends to the lower part of the eye. The *scape* is slender, elongate, and somewhat flexuous; it attains the front of the thorax. *Funiculus* shorter than the scape, its basal joint longer and thicker than the slender second joint, 3-7 small; club large, ovate. The *head* is of moderate length, but not broad. The *eyes* are free, but not distant, from the thorax; they are prominent, oval, and are quite longitudinal—*id est*, they extend forwards. The front *coxæ* are large and contiguous, and are placed near the front of the prosternum, which is entire. The *femora* are somewhat angulate and minutely dentate below.

The genus should be placed near *Erirhinus*.

2401. **C. fulvus**, *n.s.* *Subovate*, a little shining, fulvous, rostrum reddish; the clothing on the thorax consists of decumbent golden-yellow hairs; on the elytra the hairs are erect, but very slender, and rather short; there are, however, numerous pallid, depressed, scale-like setæ near the base, hind thighs, and the posterior portion.

*Rostrum* finely punctate. *Head* with pale, depressed setæ. *Thorax* rather broader than long, base truncate, without ocular lobes, constricted in front, its sides strongly rounded; it is moderately closely and distinctly punctured, and there is a smooth, linear, median space which is not distinctly elevated. *Scutellum* small. *Elytra* suboblong, very slightly and gradually narrowed forwards, the shoulders a good deal broader than the base of the thorax; they are striate-punctate.

*Underside* chestnut-red, shining; there is a piceous spot near the base of the abdomen; it is more or less punctate; the clothing greyish, coarse near the sides; metasternum and the two basal ventral segments longitudinally depressed.

Length (rost. incl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{1}{2}$  line.

Boatman's. Cavell; two examples.

## Euprocas.

*Nov. gen.*

*Prosternum* incurved in front; concave along the middle, this depression with elevated carinate lateral borders, these almost touch the coxæ. *Mesosternum* short, with a raised process between the middle coxæ. *Metasternum* short. *Abdomen* of moderate length, the intermediate segments with deep, straight sutures. Front *coxæ* large and prominent, rather widely separated. *Legs* stout, anterior *femora* nearly simple, the others angulate or dentate below, causing them to appear deeply notched near the extremity; *tibiæ* mucronate, flexuous; *tarsi* hairy underneath, not slender, their third joint about twice the width of the second, and strongly bilobed; claws dentate at base. *Thorax* subtruncate at base, without distinct ocular lobes. *Scutellum* depressed or obsolete. *Antennæ* inserted near the apex of the rostrum; scape attaining the eye, slightly thickened apically; funiculus longer than the scape, basal joint gradually thickened, the second rather longer than the first and quite slender, joints 3-7 decrease in length, third and fourth longer than broad, seventh subglobular; club oblong-oval, triarticulate. *Rostrum* moderately slender, a little dilated towards the front, longer than the thorax. *Scrobes* deep and lateral, prolonged to the eyes, *Eyes* contiguous to the thorax, nearly round, not prominent, distinctly faceted. *Head* globose below.

The chief character I rely upon for the separation of this genus from *Erirhinus* and its allies is the rather widely distant anterior coxæ.

2402. **E. scitulus**, *n.s.* *Subovate*, convex, shining; pale-brown, suffused with a somewhat metallic green colour; legs and



antennæ more or less testaceous, club fuscous and finely pubescent; body pilose and setose.

*Rostrum* reddish, nearly smooth in front, punctate behind, bearing fine yellowish hairs. *Thorax* slightly broader than long, narrowed in front; distantly punctured, more closely and finely near the base and apex, with depressed yellow hairs. *Elytra* about one-third broader than the thorax, gradually narrowed posteriorly, the shoulders slightly prominent; they are distinctly striate-punctate, the interstices with a row of fine distant punctures on each; the clothing consists of pale upright setæ, many of which are quite conspicuous, being about twice the length and thickness of the others.

This insect may be easily identified by the almost metallic green tinge, elytral clothing, and distant front coxæ.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Boatman's, Westland. One of Mr. Cavell's numerous discoveries. The specimen is unique.

### Hypotagea (Gen., p. 456).

2403. *H. tibialis*, n.s. *Shining*, red, antennæ somewhat paler.

*Rostrum* slender, in the female nearly twice the length of the thorax, finely sculptured, there being only one or two rows of fine punctures along each side. *Antennæ* elongate and slender, inserted before the middle; basal joint of funiculus largest, 2-7 decrease in length, club oblong-oval. *Head* globose below. *Eyes* rather small, not prominent, touching the thorax. The *thorax* transverse, narrowed in front, moderately closely and distinctly punctured; it is clothed with elongate, decumbent, yellow hairs. *Elytra* a little broader than the thorax, slightly impressed transversely before the middle, punctate-striate, interstices convex and finely punctured; they are clothed with upstanding grey or yellow hairs, some of which are short and slender, the others long and coarse. *Femora* stout, the front pair simple, the others dentate below. *Tibiæ* flexuose, the two hind pairs distinctly dilated just above the middle of their inner face.

The slender, finely-sculptured rostrum distinguishes this from *H. rubida*. The elytral sculpture may be said to be punctate-striate instead of being striate-punctate.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Boatman's. Mr. Cavell has been kind enough to send me one pair.

### Eugnomus (Gen., p. 458).

2404. *E. aspersus*, n.s. *Rufescent*, rostrum piceous, its apex reddish, antennæ and tarsi pale-red; the clothing yellowish, consisting of depressed, hair-like scales, and erect fuscous setæ; in line with the hind thighs there is a dark fascia; scutellum covered with yellow pile.

*Head* and rostrum punctate, the former medially impressed. *Antennæ* elongate, the scape reaching just beyond the back part of the eye. *Thorax* narrowed towards the front, where there is a slight

constriction; it is closely punctured. *Elytra* striate-punctate, the punctures rather close; interstices closely and minutely granulate, and with a row of rather larger distant granules.

About the size of *E. maculosus* (of which *E. argutus*, Sharp, is a variety); the *eyes* less prominent and nearer the thorax, the *hind-body* less attenuate, and not acuminate behind, differently marked. The interstitial granules cause a somewhat spotted appearance.

*Underside* with pallid clothing, that on the sides of the breast very thick; basal segment of the *abdomen* with a large shallow impression, the fifth with a deeper depression which does not extend to its base.

Length (rost. incl.),  $2\frac{1}{2}$  lines; breadth, quite  $\frac{3}{4}$  line.

Mount Arthur. Found by Mr. T. F. Cheeseman.

2405. **E. squamifer**, *n.s.* *Rufescent*, legs and antennæ pale-red; rostrum and thorax with bright fulvous hairs, the sides of the latter, and the elytra, with depressed pallid scales, which become finer behind.

This differs from *E. fervidus*, its nearest ally, in having rather more prominent *eyes*, in the *elytra* being less striate, with larger and less approximated punctures, the interstices are without any perceptible sculpture, and the comparatively coarse elytral squamosity is very different.

Length (rost. incl.), 2 lines; breadth,  $\frac{5}{8}$  line.

Boatman's. One example, from Mr. Cavell.

2406. **E. maurus**, *n.s.* *Black*, legs and antennæ obscure-red; the femora, the club, and the first joint of the funiculus more or less piceous; clothing scanty, consisting of slender ash-coloured hairs and erect slender setæ, there are a few grey scales between the hind thighs, the scutellum is pallid, and the sides of the breast are covered with greyish squamosity.

This comes near *E. interstitialis*, it is smaller, the *rostrum* is closely sculptured, but there is no carina, the *head* is even more closely punctured, the eyes are a little further apart in front than they are behind, whereas it is just the reverse in a typical specimen of No. 815 with which I compare this species, the *thorax* is narrower but rather longer, and is more closely and coarsely punctured; the elytra are very gradually narrowed backwards, their punctures are deep, and are closer than in No. 815, causing a more striate appearance, the interstices are densely rugose, the squamose line on the third is absent in this species.

Length (rost. incl.), 2 lines; breadth,  $\frac{1}{2}$  line.

Waitakerei Range.

## Megacolabus.

*Nov. gen.*

*Prosternum* emarginate in front. Anterior *coxæ* contiguous, prominent; middle pair narrowly, the posterior more widely, separated. *Metasternum* very short. *Abdomen* with the two basal segments large, the intervening suture sinuous, third and fourth very short,

with deep, straight sutures. *Femora* notched near the extremity, but not toothed. *Tibiæ* flexuous, with a prominent curvate spur at the inner extremity. *Tarsi* short, densely clothed underneath, but with a bare longitudinal space on the middle; basal joint rather short, narrow at the base, second twice as broad as long, third bilobed, fourth moderate. *Rostrum* moderately thick, gradually narrowed behind, arched, nearly the length of the thorax. *Eyes* oblique, oviform, somewhat acuminate below, nearly flat, not prominent, widely distant above, and if it were not for the presence of an incurvature behind them the thoracic margin would touch them. *Scape* moderately slender, gradually incrassate, not touching the eye. *Funiculus* with the two basal joints equal in length, 3-6 differ but little, seventh distinctly larger than sixth. *Scutellum* absent. *Head* globose below, about twice as broad as the rostrum. The *scrobe* begins before the middle, it is moderately deep and broad, it extends to the base of the rostrum, and the front of the head, between the rostrum and the eye, has a broad shallow depression, this looks like a continuation of the scrobe itself, but the scape does not attain the eye.

Although placed in the *Erirhinidæ* I doubt whether it can remain in that group.

2407. **M. sculpturatus**, *n.s.* *Subovate*, narrowed medially, convex; slightly shining, fusco-niger, tarsi slightly rufescent; sparsely clothed with depressed, hair-like, fawn-coloured, and greyish scales, the latter forming an ill-defined transverse band on top of the hind slope, a large patch outside each shoulder, and some other small irregular spots.

*Rostrum* nearly as long as the thorax, rugosely punctate, with an indistinct carina behind, basal portion squamose. *Antennæ* pubescent, club densely clothed, ovate, obsoletely four-jointed. *Thorax* one-fifth broader than long, the middle widest, its sides rounded; its sculpture rugose, consisting of punctures and granules, the latter most evident near the base and sides, the punctures are irregular and often confluent, and there is an elongate median depression near the base. *Elytra* bisinuate at the base, widest near the hind thighs, gradually narrowed towards the base, so that the shoulders are but little broader than the thorax; they have ill-defined series of moderately-large punctures near the suture, numerous shallow, irregular depressions outside, and many somewhat flattened granular asperities; the interstices, for the most part, are smooth and shining, the third and fifth are a little raised near the base, but the second and fourth are depressed there; on the posterior declivity there are no punctures, nor are there any well-marked elevations. Legs clothed with pallid hair-like squamæ.

*Abdomen* with coarse, shallow punctures, with a fine, short, depressed, greyish seta in each.

Length (rost. excl.),  $3\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Akaroa. Mr. H. Suter kindly presented me with the only specimen he could find.



## Group—BELIDÆ.

*Pachyura* (Gen., p. 468).

2408. *P. stictica*, n.s. *Elongate*, not cylindrical, irregularly covered with yellowish hair-like scales; body infusate-red, antennæ paler, head and rostrum piceous.

*Rostrum* longer than thorax, dilated in front, rather closely and coarsely punctured behind the point of antennal insertion, finely and distantly beyond. *Antennæ* implanted near the base of the rostrum, reaching backwards to the middle thighs; third joint longer than the first or fourth; 3–6 slender and elongate; 7–10 gradually expanded, the eleventh longer than the preceding one. *Head* broadest in line with the large, prominent, rotundate eyes, closely and coarsely punctured. *Thorax* broader than long, considerably curved and narrowed in front, its base strongly bisinuate; its middle portion nearly nude, closely punctured, sometimes with an ill-defined, smooth, longitudinal line; at the base, halfway between the centre and side, there is a smooth space, the lateral sculpture is concealed by the covering. *Scutellum* raised, densely sculptured. *Elytra* nearly three times the breadth of the thorax at the base, shoulders rounded, sides nearly parallel, apices sharply rounded; their sculpture irregular, close, and rather peculiar, appearing to consist of a combination of punctures and granules; the clothing is unevenly distributed, on some parts thick, on others nearly altogether wanting; the surface somewhat uneven, there being an obtuse longitudinal elevation along the middle of each, and several densely-squamose depressions, the most evident being a broad band right across, just behind the posterior femora. Legs long, rather slender.

Length (rost. incl.),  $4\frac{1}{2}$ – $5\frac{1}{2}$ ; breadth,  $1$ – $1\frac{1}{8}$  lines.

Westland (Boatman's). I have two females, which were found by Mr. A. T. Cavell.

## Group—CRYPTORHYNCHIDÆ.

*Tychanopais*.

*Nov. gen.*

Allied to *Tychanus*, but differing therefrom in several structural details.

The *rostrum* is nearly twice as broad, much shorter, being hardly as long as the thorax, it is less arched, and it is slightly expanded at the extremity. The *scrobe* begins near the apex, and extends to the lower part of the eye. The *antennæ* are inserted near the apex of the rostrum, and are rather short and thick; the scape reaches the eye, and is incrassated apically; the two basal joints of the funiculus are of nearly equal length, joints 3–7 are gradually thickened, and are more or less transverse; club short, oval. The *eyes* are longitudinally oval. The *scutellum* is absent or minute. The *elytra* are not callose behind. The *femora* are strongly angulate or dentate below; the front *tibiæ* are dilated inwardly beyond the middle. The *tarsi* are shorter, and their third joint is less evidently lobate.

2409. **T. pictulus**, *n.s.* *Compact*, convex, densely covered with depressed variegate scales; ground-colour piceous or reddish; antennæ and tarsi reddish.

*Rostrum* piceous, nude and punctate in front, squamose elsewhere. *Thorax* abruptly narrowed for nearly half its length in front, slightly produced, but not distinctly crested there; basal portion with straight sides; it is coarsely punctured; its squamosity for the most part is tawny, though there are two dark ill-defined longitudinal streaks. *Elytra* scarcely broader than the thorax, subquadrate, nearly vertical behind, base bisinuate; they have series of elongate punctures; the third and fifth interstices are more elevated than the others, and bear minute greyish crests behind, those on the fifth are placed further back; the hind declivity, and a broad space along the middle, including the third interstices, are nearly or quite black, the rest of their surface is tawny. *Femora* with fulvescent, the tibiæ with pitchy and pallid, squamosity and scale-like setæ.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Moeraki. One example of this rather pretty weevil was sent to me by Mr. Sandager.

### Getacalles.

*Nov. gen.*

Differs from *Tychanus*, but allied thereto.

*Antennæ* inserted beyond the middle of the rostrum, about one-third from its apex. *Rostrum* thicker and shorter, hardly as long as the thorax, parallel. The *scrobes* commence near the apex. *Eyes* smaller and more coarsely faceted. *Femora* only obsoletely toothed, but grooved from base to apex. *Tibiæ* oblique near the extremity; this part excavate behind for the accommodation of the tarsi. *Thorax* depressed along its base, and abruptly contracted, for about half its length, in front. *Elytra* quadrate or oblong, their shoulders more or less porrected so as to clasp the base of the thorax. The *pectoral canal* is broader; it extends to the middle coxæ, where it has strongly-elevated margins. The suture between the two basal segments of the *abdomen* is strongly sinuated, and the three following ones are on an abruptly lower plane.

2410. **G. rostralis**, *n.s.* *Compact*, convex, pitchy or rufescent; densely covered with depressed scales, mostly pale-brown, but intermingled with darker and paler ones, which, however, do not produce a spotted appearance; pale coarse setæ or scales form numerous small tufts; scutellum nearly white; squamosity on the rostrum almost ferruginous; antennæ and tarsi red.

*Rostrum* densely clothed with scales, except the blackish apex which bears greyish hairs. *Antennæ* shining, short; second joint of funiculus about as long as the first, but more slender; joints 3-6 decrease in length; seventh much broader than the sixth, transverse; club ovate. *Thorax* abruptly narrowed in front for nearly half its whole length, basal portion with straight sides, and with two small crests near the middle, erect scales form a sort of elongate crest on

each side of the middle at the narrow apex, but in some cases these are absent; its surface punctured. *Elytra* hardly any broader at the base than the thorax, and closely applied thereto; they are subquadrate, being only one-fourth longer than broad, they are more elevated than the thorax, and are vertical behind; they bear series of coarse punctures, the intervals are more or less uneven, appearing transversely rugose on some parts; the third and fifth interstices have two or three small crests behind, and there are others near the sides; some blackish scales are placed near the hind thighs.

*Underside* obscure infusate-red, with a few pallid scales here and there, but the last ventral segment is covered with such scales. The basal abdominal segment is rather flat and large, the second is hardly more than half as long and is convex, the third and fourth are short.

This species is distinguishable by the brightly-coloured squamæ on the rostrum.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{7}{8}$  line.

Moeraki. Three examples, from Mr. Sandager.

OBS.—No. 1682 belongs to *Getacalles*. It may be known by the presence of two pale longitudinal streaks on the three blackish terminal ventral segments.

2411. **G. minor**, *n.s.* *Opaque*, obscure fusco-rufous, rostrum piceous, tarsi and antennæ red; densely covered with dark, greyish-testaceous, and grey scales, and erect griseous scale-like setæ.

*Rostrum* dull, apparently closely punctured. *Antennæ* shining, normal. *Thorax* somewhat broader than long, the frontal contracted portion depressed and rather more finely, yet closely, punctured than the other. *Scutellum* indistinct. *Elytra* a little broader than the thorax, the shoulders slightly porrect, base almost quadrisinuate; their sculpture consists of series of coarse punctures, with level interstices; there are several small patches or tufts of coarse setæ near the sides and the top of the declivity.

Much smaller than *G. rostralis*, the surface less uneven, the erect setæ are more scattered, and the grey scales on the elytra are quite minute, the squamosity can be easily rubbed off.

Length (rost. excl.),  $1\frac{1}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Moeraki. One example only, sent by Mr. Sandager.

2412. **G. humeratus**, *n.s.* *Body* and limbs obscure-red, with dusky, somewhat variegate, squamosity and sappy matter, some of the squamæ are black, others, on the hind declivity for instance, are tawny, scutellum greyish, antennæ and tarsi rufescent.

*Rostrum* nearly nude, dark-red, not smooth, its sculpture indefinite. *Antennæ* shining, second joint of funiculus slender and quite as long as the first. *Thorax* without distinct crests, but with numerous erect scales or setæ, its punctuation not coarse but very close, except at the apex. *Elytra* oblong, the shoulders more prominent, longitudinally, than usual; there is a swelling or dilatation



on each side behind the posterior femora, and a smaller one between it and the shoulder, besides some smaller inequalities of surface; the serial punctures are large and suboblong, but become smaller behind, the declivity is almost punctate-striate; the interstices are more or less raised, causing a somewhat striate appearance; nearly halfway down the hind slope there is a transverse black streak.

*Underside* fuscous; third and fourth ventral segments black, the fifth covered with tawny scales. Metasternum with a semicircular depression in front, between the coxæ.

Most nearly resembles No. 1682, but there are no white scales, no thoracic crests, and the hind-body is decidedly more oblong.

Length (rost. excl.), 2 lines; breadth, 1 line.

Moeraki. Two specimens, found by Mr. Sandager.

### **Psepholax** (Gen., p. 478).

2413. **P. brevicornis**, *n.s.* *Subcylindrical*, short, convex, variegated-brown; densely covered with short tawny scales, with some erect setæ on the elytra; the head blackish, rostrum reddish, the legs and antennæ ferruginous.

This species is closely allied to *P. simplex*. The rostrum is rather shorter, with a smooth interantennal spot. The scape is shorter and thicker; the *funiculus*, too, is shorter, with a very stout basal joint; the club is large, quite equalling the funiculus in length. The *thorax* is much constricted and depressed in front, its apical margin is not at all sinuate, and its median ridge is well developed. The *eyes* are shorter in the longitudinal direction, are more rotundate, and rather farther from the thorax, and the sides of the head appear less swollen below them. The *legs* are clothed with greyish hairs. The *scrobes* are very short, and extend to the lower surface of the rostrum, so that a broad space intervenes between them and the eyes, which is the actual condition in *P. simplex*.

I may here state that *P. simplex* differs from White's types in some important points. The eye of *P. simplex* is placed near the back of the head instead of being distant from the thorax, it is narrower from above downwards, and extends longitudinally, the gena appears swollen below it, and the scrobe, as indicated above, is essentially different. The genus *Psepholax* will, in course of time, have to be subdivided.

Length, 2 lines; breadth, 1 line.

Mount Maungatua, Otago. One, taken off a *Veronica buxifolia* by Mr. S. W. Fulton.

OBS.—At Midhirst I found a varietal form of *Psepholax mediocris*. The body is quite oval, the eyes almost round, the scrobes reach the lower and anterior part of the eyes; the thorax is nearly smooth on the middle, with shallow punctures; the elytra are rather broader, and the third and fifth interstices are a good deal elevated near the top of the hind slope, the third being blackish and obtusely raised at the base.

**Pseudoreda.***Nov. gen.*

*Rostrum* short and broad. The *scrobe* begins near the apex, it is prolonged to the eye, and it extends downwards, behind, almost from the middle to the lower part of the eye. *Antennæ* short, the scape touches the eye; the funiculus with the second joint shorter and more slender than the first; joints 3-7 transverse, the seventh a good deal broader than the sixth, nearly as broad as the club, which is oblong-oval, but not acuminate.

In *Psepholax* the *scrobe* just reaches the lower part of the eye, but the scape barely reaches it. The *eye* is longer in the transverse direction. The remarkable structure of the *tibiæ* is described on page 482, *Man. N.Z. Coleop.*

The type is No. 855, still unique; it now becomes *Pseudoreda tibiale*.

**Homoreda.***Nov. gen.*

Like *Oreda*. *Pectoral canal* not so deep, gradually narrowed backwards, so that the front coxæ are less widely separated. The border of the canal where it bends outwards is rectangular instead of being spiniform. The subcordate *lamina* or process between the middle coxæ is truncate in front, and hardly extends forward beyond the coxæ themselves. The *mentum* and peduncle are rather short. *Palpi* extending just beyond the mandibles. *Eyes* less rounded, their greatest bulk from above downwards. *Rostrum* shorter than thorax, the upper posterior portion narrowed so that the scrobes are visible from above; these commence just before the middle and reach the lower and front part of the eyes. *Scape* short, gradually thickened, barely touching the eye. *Funiculus* short, basal joint longer than the second; joints 3-7 transverse, gradually dilated, so that the seventh is nearly as broad as the base of the club. Front *tibia* nearly straight, its apex incurved, the inner extremity more acutely prolonged than the outer; the other *tibiæ* with a tooth-like apical prolongation, and a median dentiform projection on the outside.

2414. **H. punctata**, *n.s.* *Convex*, oblong-oval, subopaque, piceous, antennæ and tarsi reddish; clothed with short, greyish-testaceous scales, which, on the hind-body, are almost erect and seta-like.

*Rostrum* moderately punctured, without ridges or depressions, with slender yellow setæ at the sides and apex. *Head* impressed between the eyes, closely punctured. *Thorax* slightly broader than long, greatly narrowed anteriorly for about one-third of its length, the base bisinuate, but not depressed, and closely adapted to the elytra; its broad basal portion a little curved laterally, and narrower in front than behind; the apical margin is smooth, with a median sinuosity, it is not, however, prolonged forwards; the punctuation is coarse and close, but, along the middle, there is an indistinct line. *Scutellum* oblong. *Elytra* very little wider than the thorax at the

base, very slightly and gradually narrowed to beyond the hind thighs, from thence more abruptly; each elytron has five dorsal rows of oblong punctures, these almost reach the base but the external series do not; the interstices are rather broad, and, owing to the squamosity, appear a little asperate. The *eyes* are slightly convex, and are quite free.

*Underside* with coarse shallow punctures; the metasternum with more slender and longer (quite hair-like) setæ than the abdomen.

Length (rost. excl.),  $3\frac{3}{8}$ ; breadth, 2 lines.

Moeraki. My specimen was presented to me by Mr. Sandager.

### Hadracalles.

*Nov. gen.*

*Convex*, broad, subovate. *Rostrum* rather longer than thorax, arched, widely, but slightly, narrowed towards the middle, abruptly contracted near the eyes. *Scrobes* deep, starting from before the middle, expanded behind, and reaching the front of the eyes. *Antennæ* inserted in front of the middle of the rostrum, elongate; the *scape* long, barely touching the eye, slightly and gradually incrassated; the *funiculus* also long, its first joint but little more than half the length of the elongate second joint, third slightly longer than the fourth, joints 5-7 nearly equal; club elongate. *Eyes* rounded behind, truncate in front, distant above, just free from the thorax, not prominent. *Thorax* obtusely produced in front, much narrowed there, the base subtruncate; there is a deep incurvature above the well-developed ocular lobes. *Scutellum* invisible. *Elytra* rather broader than the thorax. *Femora* notched near the extremity, so as to appear angulate below, grooved underneath. The *tibiæ* are armed with a strong spur at the extremity. *Tarsi* rather elongate, their basal joint slender and glabrous at the base, third joint broad, lobate, densely clothed underneath. *Pectoral canal* profound, extending as far as the middle of the intermediate coxæ. *Metasternum* very short. *Abdomen* large, the two basal segments with a strongly sinuous suture, the third and fourth not much abbreviated, with deep straight sutures. *Epipleuræ* extremely narrow.

The type is a peculiar species, remarkable for its broad form, even surface, small squamæ, long antennal club, and *Oreda*-like feet.

2415. **H. fuliginosus**, *n.s.* *Opaque*, of a soot-like colour, the rostrum pitchy-red, antennæ and tarsi red; covered with depressed yellowish scales, those on the elytra quite minute.

*Rostrum* finely punctate in front, with a median ridge on the basal half. *Thorax* with an indistinct smooth central line, its punctures of moderate size, neither deep nor close; the broad basal portion with rounded sides. *Elytra* with slightly-curved sides, about one-fourth longer than they are broad, destitute of elevations or depressions, with series of moderate but not deep punctures.

Length (rost. excl.), 4; breadth,  $2\frac{1}{4}$  lines.

Moeraki. One; Sandager.



**Acalles** (Gen., p. 488).

2416. **A. mimus**, *n.s.* *Convex*, ovate, contracted medially; piceous, thickly covered with pale reddish-brown, black, and greyish scales, and erect squamiform setæ; antennæ and tarsi red.

*Rostrum* finely punctured in front, with testaceous scales behind, it is as long as the thorax, and is narrower near the middle than it is elsewhere. The *scrobe* begins at the middle and reaches the front and lower part of the eye. *Antennæ* with fine hairs; funiculus longer than the scape, its basal joint rather longer and much thicker than the second, joints 3-7 increase in bulk so that the seventh is almost as broad as the base of the club, which is large and ovate. *Thorax* about as long as it is broad, the frontal half narrower and more depressed than the basal; at the middle of the base the squamosity is blackish, there are some coarse dark setæ; on the middle there are two small crests, and, in line with these, at each side there is a smaller one, the apex is not crested. *Scutellum* invisible. *Elytra* of the same width as the thorax at the base, much wider just before the middle, gradually narrowed behind that point; they are rather suddenly raised from the base backwards, so as to seem very convex, the posterior portion appears long and narrow; the sculpture is hidden, but apparently consists of series of punctures; on top of the hind slope there are two large squamose prominences, there are two small crests on the middle, and two others further forward and nearer the suture, besides some minute ones near the sides and on the declivity itself. The *legs* bear coarse scale-like setæ.

Closely resembles *A. decemcristatus*: in that species, however, the posterior declivity presents a flat face which is densely covered with depressed, pale, greyish-yellow scales, forming a conspicuous appearance; in this species there are some scattered pitchy setæ.

VAR.—Thorax darker, the squamosity on the middle of the elytra, for the most part, greyish, there are four black spots in place of the median crests, and, on the suture, in front of the posterior crests, there is an obtuse tuft.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{7}{8}$  line.

Moeraki. Four examples from Mr. Sandager.

OBS.—From the same source I have some specimens of No. 1427 (*A. triangulatus*), having a triangular patch on the middle of the elytra; this is sometimes quite pale, in other cases it is nearly black. The type, found near Wellington, was therefore in an imperfect condition.

2417. **A. lepirhinus**, *n.s.* *Convex*, rather narrow, opaque, piceous, antennæ and tarsi ferruginous; squamosity dense, depressed as well as erect, mostly piceous; on top of the hind declivity are two tawny crests, some grey scales and coarse setæ are visible near the middle of the elytra and along the sides of the thorax; the legs bear coarse scale-like setæ, most of which are greyish; and the rostrum, almost to its apex, is covered with short, erect, pallid scales,

these, though not themselves conspicuous, cause a rough-looking appearance.

*Rostrum* as long as thorax, parallel, slightly rufescent, apparently rather closely punctured. *Thorax* narrowed towards the front, only slightly constricted there; the space along the middle seems plane, owing, no doubt, to the absence of the erect setæ seen elsewhere. *Scutellum* absent. *Elytra* widest, and most convex, near the middle, narrowed to the width of the thorax at the base; they bear many erect squamiform setæ, but the sculpture cannot be seen.

Much narrower than *A. mimus*; the pair of posterior crests in marked contrast to the prevailing dark colour, and the straight-sided, almost wholly squamositate rostrum distinctive.

Length (rost. excl.), 1; breadth,  $\frac{1}{2}$  line.

Moeraki. Mr. Sandager. Unique.

2418. **A. sympedioides**, *n.s.* *Suboblong*, piceous, densely and evenly covered with pale-brown depressed scales, and bearing also a few short scale-like setæ, which, however, are not conspicuous except near the sides, the apex of the thorax, and at the top of the hind declivity in line with the fifth interstices.

*Rostrum* rather longer than the thorax, very slightly narrowed towards the middle, arched, rather closely punctate, a little rough-looking, squamose behind. The *scrobe* is deep, extending from the middle to the lower and front part of the eye. *Scape* gradually thickened, with a few coarse decumbent yellow setæ. *Funiculus* elongate, with some grey hairs, basal joint elongate, the second nearly as long, 3-7 differ but little, seventh moniliform; club large, oblong-oval. *Thorax* abruptly contracted in front for nearly half its length, the basal portion a little depressed, with a short indistinct carina. *Scutellum* invisible. *Elytra* of nearly the same width as the thorax, being only slightly broader near the hind thighs, convex, appearing depressed at the base, with series of coarse but not closely-placed punctures. *Legs* clothed like the body. *Antennæ* and tarsi dark-red.

This much resembles *Sympedius vexatus*. It is much smaller, the thorax is not so suddenly narrowed in front, the tarsi are shorter with a narrower penultimate joint, and the femora are not distinctly dentate below. The presence of small squamæ causes the rostrum to appear asperate in front.

Length (rost. excl.), 2; breadth,  $1\frac{1}{2}$  lines.

Moeraki. I have seen but one specimen, which was sent to me by Mr. Sandager.

## Group—COSSONIDÆ.

### *Eucossonus* (Gen., p. 870).

2419. **E. elegans**, *n.s.* *Subdepressed*, elongate, slender, sub-opaque, red, the elytra darker on some parts, antennæ and tarsi fulvescent; clothed with bright-yellow setæ, on the thorax they are decumbent, quite hair-like, and elongate; on the elytra they are

shorter and thicker, and form a conspicuous line on the third interstice, on the sutural region there are very few.

*Rostrum* shining, red, finely punctate, slightly incrassate at the antennal insertion (just behind the middle). The *scrobe* attains the eye, but it is not deep. *Head* narrowed towards the front; the outline, owing to the inconspicuous eyes, not interrupted, its back portion smooth. *Scape* slender, flexuous, very gradually thickened; second joint of the *funiculus* about the same length as the first but more slender, third and fourth longer than broad, fifth bead-like, club elongate-oval. *Thorax* elongate, deeply constricted near the front, so that the apical portion seems swollen, the sides behind the constriction are moderately rounded, and a little narrowed anteriorly; the middle is flat but not concave, the surface rather finely but not closely punctured, the intervals densely and minutely sculptured. *Scutellum* small, rotundate. *Elytra* elongate, parallel, a little broader than the thorax; they are striate-punctate, interstices minutely and densely sculptured, appearing rugose from behind, the declivity striate. *Legs* long, with greyish hairs, tibial hooks distinct, third tarsal joint evidently bilobed.

*Underside* with moderately coarse but not closely-placed punctures, pubescence greyish.

The clothing of the third elytral interstices will lead to its recognition.

♀. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Moeraki. One individual, found by Mr. Sandager on a ngaio at Black Sandy Beach.

2420. **E. gracilis**, *n.s.* *Subopaque*, obscure-red, elytra paler than the thorax, antennæ and tarsi fulvescent; clothed with yellow depressed hairs or setæ, which, on the elytra, are shorter but not coarser than those on the thorax.

*Rostrum* shorter than the thorax, very slightly narrowed behind the antennal insertion (the middle), opaque, not slender, densely and minutely sculptured, and with numerous fine punctures.

Although this bears a considerable resemblance to *E. elegans* it is certainly distinct. The *funiculus* has the last three joints moniliform. The *eyes* are a little more prominent. The *elytra* are wider near the hind thighs than they are at the shoulders, the sides, however, are not curvate, the punctuation is perceptibly finer and closer, and the setæ are more slender, and not more conspicuous on the third interstices than they are elsewhere. The *femora* are more slender. The *scape* is stouter, and it is thickened for half its length. The *scrobe* is deep, and, behind, extends downwards from the upper to the lower part of the eye as in the typical species.

*Underside* with moderately fine punctures, but with stronger ones on the prosternum; the metasternum and two basal ventral segments piceous and broadly impressed, the rest of the surface reddish.

♂. Length,  $1\frac{1}{4}$  lines; breadth, quite  $\frac{1}{4}$  line.

Moeraki. Found at the Gorge, on a cabbage-tree, by Mr. Sandager; one only.



**Agastegnus** (Gen., p. 805).

2421. **A. distinctus**, *n.s.* *Elongate*, narrowed anteriorly, subdepressed, shining, red, the head, and a large basal spot on the elytra, piceous; antennæ and tarsi fulvescent; the thorax bears depressed, elongate, slender, yellow setæ or hairs; on the elytra there are but few hairs, and these are very slender and hardly noticeable.

*Rostrum* shorter than the thorax, slightly arched above, convex along the middle, subparallel, not broad, minutely sculptured. *Scrobes* oblique, directed towards the lower part of the eyes. *Antenna* medially inserted; scape stout, flexuous; funiculus with a thick basal joint, the second not elongate but distinctly longer than the third, joints 3-5 short; club ovate, red, pubescent. *Thorax* longer than broad, the sides only moderately rounded, it is narrowed towards the deep frontal constriction, so that the apical portion appears somewhat swollen; there is a median depression near the base, the surface seems smooth, but fine distant punctures are present, and the spaces between these are very minutely sculptured. *Scutellum* triangular. *Elytra* subparallel, striate-punctate, almost punctate-striate; the suture a little raised posteriorly and uniting with the lateral margin; the third interstice is elevated behind, it does not reach the apex, being united just in front of it to the external one, which is similarly raised and thickened so as to conceal the true margin, their junction forms an acute angle behind; the intermediate interstices are abbreviated and convergent behind, ending in a depression; when examined sideways the middle seems to be a little raised, with a depression before and behind it.

The *head* is as wide behind as the apex of the thorax, it is smooth there, it is gradually narrowed to the width of the rostrum, and though there is a line of demarcation behind the eyes it does not interrupt the outline. This is the normal condition in this genus, but the head may be immersed to the eyes in mounting. *Tarsi* with indistinctly lobed, rather narrow, third joint.

Length,  $1\frac{1}{8}$  lines; breadth, quite  $\frac{1}{4}$  line.

Moeraki. Sandager; one example.

**Group—LAMIIDÆ.****Xylotoles** (Gen., p. 592).

2422. **X. phormiobius**, *n.s.* *Elongate*, attenuated posteriorly, slightly shining, fuscous; densely covered with fine depressed greyish hairs and a few long erect pallid bristles on the hind-body, legs, and antennæ; these last more or less rufescent and spotted.

*Head* with a fine central line, labrum reddish, antennal tubercles not so prominent as they are in *X. huttoni*. *Eyes* coarsely faceted. *Thorax* constricted near the front and base, with only slight depressions across the surface in line with the constrictions, these are not connected by any distinct longitudinal groove; it is minutely sculptured, almost rugose in front, but near the base there are many transverse linear impressions, near each side a few coarse punctures

may be noticed; the middle of each side is swollen but does not project more than the thickened space near the apex. *Elytra* not much broader than the thorax, the shoulders not oblique; apices dehiscent, the sutural gap elongate and wide, with sinuous inner borders; on each elytron there are two irregular, ill-defined costæ, these do not extend further back than the almost serial punctures, about two-thirds of the whole length. *Antennæ* stout, just as long as the body.

♀. Length,  $3\frac{3}{4}$  lines; breadth, 1 line.

Male. Body more rufescent, more slender, humeral angles rounded, legs nearly concolorous rufo-fuscous, tenth joint of the antennæ reaching just beyond the extremity of the wing-cases.

♂. Length,  $2\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Ashburton. Described from a pair found by Mr. W. W. Smith on *Phormium tenax*. The species comes near *X. scissicauda* and *X. huttoni*. The latter seems to be a very variable species.

2423. **X. prolongatus**, *n.s.* *Elongate*, nearly nude; head and thorax shining, cupreo-piceous; the antennæ and femora nearly rufo-castaneous, elytra rather darker, the tibiæ, palpi, and front of the head paler.

*Head* widely depressed between the antennæ. *Thorax* slightly longer than broad, the sides a little swollen in front of the middle; there is an irregular frontal impression, near the base there are a few transverse strigæ, and in front of these, near each side, there are two punctiform impressions, the surface otherwise is smooth. *Scutellum* broad, convex, rounded behind. *Elytra* not much wider than the thorax, much narrowed behind, apices considerably prolonged and individually rounded; the surface is densely covered with a sort of coriaceous sculpture, the coarse serial punctures end near the hind thighs, the series themselves are irregular near the base. *Antennæ* unspotted, with fine pubescence; the ninth joint attains the extremity of the body. *Tibiæ* with yellow hairs near the apices.

*Underside* coppery-brown, with patches of yellow tomentum on the sides of the abdominal segments.

This species is nearly allied to *Xylotoles nudus*, but the elytra are more depressed and differently sculptured, and their apices are more produced.

♂. Length,  $4\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Stratford, near Mount Egmont. I found one example only.

### **Hybolasius** (Gen., p. 609).

2424. **H. dubius**, *n.s.* *Subdepressed*, clothed with decumbent yellowish and greyish pubescence, the latter most conspicuous near the middle of the elytra, the legs, antennæ, and elytra with some long upright grey hairs.

*Thorax* slightly transversal, each side with an obtuse prominence behind the middle, the surface densely sculptured, a little uneven, without distinct tubercular elevations. *Elytra* broader than the thorax, the shoulders a little raised, the apices singly and rather

acutely rounded, so that they do not meet at the suture; basal prominences well developed; near the middle of each elytron there is an elongate obtuse elevation; the punctuation is moderately close, but not coarse, and becomes less obvious near the extremity. *Tibiæ* simple.

*Antennæ* unicolorous; their eighth joint extends beyond the extremity; the third and fourth are about equal.

The *body* is of a variable reddish hue, darker on the head and thorax.

There is no species exactly like this, but it may be placed near *H. predator*.

Length,  $1\frac{3}{4}$  lines; breadth, quite  $\frac{3}{4}$  line.

Moeraki. Sandager; one male.

## Group—CRYPTOCEPHALIDÆ.

*Arnomus* (Gen., p. 619).

2425. *A. curtipes*, *n.s.* *Shining*, rufescent, more or less æneous; elytra rather dark, the legs and three or four basal joints of the antennæ fulvescent, the other joints fuscous; clothed with minute grey hairs.

Distinguishable primarily from *A. macropus*, its nearest ally, by the shorter and thicker legs; the *tibiæ* are more or less curved, and the joints of the *tarsi* are decidedly shorter. The *thorax* is strongly transverse, a little convex, but depressed near the base; the sides are much rounded, with very obtuse hind angles; its punctuation is somewhat irregular, but not dense, so that almost smooth spots may be seen. *Scutellum* rather large and polished. *Elytra* oblong, uneven, shoulders raised and nearly smooth; their punctuation coarse, transversely rugose, not so close near the apices, these not explanate. *Head* not very closely punctured, with a median impression.

*Underside* æneous, finely pubescent, prosternum and head testaceous. Front coxæ large, and with a short spiniform process; middle coxæ less widely separated than in *A. brouni*, and rather larger; the sternal suture more curvate; metasternum impressed behind; second and third ventral segments very short in the middle.

Fem. *Body* more dilated posteriorly, less bronzed above, legs shorter, and with the usual abdominal foveæ.

The insect is larger and broader than *A. brouni*, with thicker legs, and coarser and more distant sculpture.

♂. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Moeraki. Sandager; three examples.

2426. *A. marginalis*, *n.s.* *Oblong*, slightly nitid, nearly nude, obscure rufo-fuscous, head and scutellum æneous, the tarsi and the apical portion of the *tibiæ* more or less bronzed, the legs and first three joints of the antennæ dull-fulvous.

Very close to *A. brouni*; the head, however, more sparingly punctured, and smooth on the middle. The *thorax* very similar, less



sinuate at the base. In *A. browni* the basal margins of the thorax and elytra are about equally well developed; in this species the elytral margin only is distinct. The *elytra* are not so closely punctured, and there is an indistinct longitudinal line along the middle of each.

Fem. Eyes less convex, thorax larger than in *A. browni*, scutellum also larger and more polished.

♂. Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Boatman's. Cavell; one male and a mutilated female.

## Group—GALERUCIDÆ.

### *Phyllotreta* (Gen., p. 635).

2427. *P. graminicola*, *n.s.* *Convex*, oval, glabrous above, glossy, cupreo-niger; femora rufo-piceous, the tibiæ, tarsi, and four or five basal joints of the antennæ pale-chestnut, remaining joints of antennæ pitchy-brown.

*Head* nearly smooth, with some grey hairs in front. *Thorax* rather broader than it is long, its sides finely margined and a little rounded; it has a few indistinct, fine, shallow punctures, the base has no well-marked transverse sulcus. *Scutellum* broadly triangular. *Elytra* obovate, widest before the middle, much narrowed posteriorly; estriate, their punctuation rather distant, shallow, and, on some parts, nearly serial; the base, on each side of the scutellum, is a little raised and smooth, and just behind this there are several rather conspicuous punctures which almost form a transverse row.

The *antennæ* are long but not slender, they are inserted near the front and inner margin of the eyes, but there is a smooth space between the point of insertion and the eye; the basal joint is larger than the second, the fifth is rather longer than the contiguous ones, all the joints are longer than broad. *Legs* stout; posterior *femora* very broad, the *tibiæ* notched or broadly sulcate near the extremity, appearing somewhat angulate near the middle, the external or lower edge of the groove is densely fringed with outstanding grey hairs, and the upper or inner face is pilose; the terminal mucro is small and extends in the outward direction; intermediate shorter, of similar form; posterior *tarsi* with the basal joint quite one-third of the length of the tibia.

This and the two following species are at present represented by single specimens only, their generic characters cannot therefore be properly studied. They are referred to *Phyllotreta* until more material can be obtained.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{3}{8}$  line.

Moeraki. Found on grass, Waterhouse Bush, by Mr. Sandager.

2428. *P. littoralis*, *n.s.* *Shining*, black, elytra viridescent, femora rufo-piceous, tibiæ castaneous, five basal joints of antennæ pale-chestnut, remaining joints piceous.

This much resembles the preceding species. The *thorax* has similar sculpture, but the posterior angles are less rounded, being nearly rectangular. The *scutellum* is invisible. The *elytra* are nearly smooth on the middle; at the base, near each side of the suture, there are two or three short oblique series of moderate punctures; the punctuation of the sides and apex is ill-defined, some obsolete striæ may be seen; the apices are truncate, so that the pygidium is exposed.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Moeraki. Found by Mr. Sandager.

2429. **P. vittigera**, *n.s.* *Oval*, moderately convex, shining, fusco-niger; the base of the tibiæ, and the three basal joints of the antennæ, pale-chestnut, tarsi infuscate; on the middle of each elytron there is a broad testaceous streak which extends from the base to within a short distance of the apex.

*Head* distinctly but not closely punctured. *Antennæ* with yellowish hairs, nearly the length of the body, inserted on small prominences in line with the middle of the eyes; basal joint elongate but not twice as long as the second, eleventh acuminate. *Thorax* transverse, its sides slightly curved, the lateral margins evidently thickened near the anterior angles, the base simple; the punctuation distinct and moderately close. *Scutellum* broadly triangular. *Elytra* oblong-oval, apices individually rounded, exposing part of the last ventral segment; the suture is sharply defined, the sutural striæ are fine but distinct, and the surface is even and moderately coarsely punctured.

This is not congeneric with the two preceding species. The *femora* though broad are not so much expanded; the hind *tibiæ* are long and nearly straight, their terminal process is short and bent outwards, there is no external dilatation, and the fine dense ciliæ extend nearly halfway up; the hind *tarsi* are two-thirds of the length of the tibiæ, their third joint is short, with obvious lobes.

Length, 1; breadth,  $\frac{1}{2}$  line.

Moeraki. Sandager.

## Inopelonia.

*Nov. gen.*

Allied to *Trachytreta*. The following are distinguishing characters:—

*Metasternum* not so short. *Mesosternum* incurved in front, the lamina or process between the middle coxæ not narrowed behind as is the case in *Trachytreta*. Posterior *femora* more inflated; the *tibiæ* longer, flexuous, the terminal mucro larger, directed backwards, their hind face smooth and almost sulcate, the outer border with numerous minute denticles, and, near the extremity, densely ciliate; the *tarsi* of the same pair elongate and slender, almost as

long as the tibiæ, their basal joint more than half the length of the tibiæ.

The genus is made for Nos. 1118 and 1119. These now become *Inopelonia testacea* and *I. fuliginosa* respectively.

## Group—COCCINELLIDÆ.

### Veronicobius.

#### *Nov. gen.*

*Body* apterous, ovate-oblong, only moderately convex, pilose. *Head* inserted so as to leave the eyes free. *Forehead* within well-marked frontal suture. *Maxillary palpi* with almost securiform terminal joints, penultimate joint short. *Labial palpi* short, the last joint slender. *Eyes* free, prominent, rotundate, obviously faceted. *Antennæ* inserted near the front of the eyes, they attain the middle of the pronotum, basal joint moderately elongate, curved, thickened apically; second more slender, evidently shorter than third; club triarticulate. *Thorax* transverse, truncate and without distinct margins in front; its sides strongly rounded, with well-developed margins and channels; the posterior angles just about rectangular, not projecting, the anterior obtuse. *Scutellum* triangular. *Elytra* oblong, rather broader than the thorax, their sides a little curved. *Legs* stout and elongate. *Femora* protruding beyond the sides of the body for about one-third of their length. *Tibiæ* slightly arched, unarmed. *Tarsi* tetramerous, the second joint prolonged halfway under the elongate terminal joint, third minute; claws thickened at base. *Prosternum* emarginate and a little sinuate in front, its process rather wider behind than it is between the coxæ. *Mesosternum* somewhat raised in the middle, but nearly flat above. *Metasternum* moderately elongate, with very distinct, oblique, frontal sutures, it forms an obtuse projection between the intermediate coxæ. *Abdomen* elongate, basal segment largest, the intermediate of nearly equal length.

Numerous differences exist between this genus and *Scymnus*, as indicated above; all the coxæ are less widely separated.

2430. **V. hirtus**, *n.s.* *Variegata*, a little shining; head, thorax, and elytral disc nearly black; front of the head, the antennæ, and legs more or less rufo-testaceous; lateral margins of thorax testaceous, the elytra with broad testaceous borders and two large basal spots; clothing consists of rather conspicuous, elongate, yellowish hairs, these, however, are easily rubbed off.

*Head* and *thorax* moderately finely, distinctly, but not closely punctured. *Elytra* somewhat irregularly punctured, the sutural region slightly raised posteriorly, sutural striæ absent on the disc and very narrow behind, apices individually rounded.

*Underside* dusky, more or less punctate and pubescent, the metasternum with fine, transversal, linear impressions. *Antennæ*



with scanty pubescence, joints 4-8 differ but little in length but become slightly broader, club oblong, slightly infusate.

VARIETIES.—Head and thorax chestnut-red, elytra with less black on the dorsum. Mr. Sandager thinks this is the male.

No. 2. Almost wholly castaneous, with two dark vittæ on the elytra. Found at Taieri by Mr. S. W. Fulton.

No. 3. Quite pallid throughout; hind angles of thorax more rounded. Mr. T. Chalmer, near Dunedin.

These three forms are, at present, represented by single specimens, or by broken ones, so that I treat them as one variable species just now. They were all found on *Veronica*.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Moeraki. Sandager; four examples.

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# NEW ZEALAND COLEOPTERA.

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## PART VII.

### Group—FERONIIDÆ.

#### Trichosternus.

2434. **T. crassalis**, *n.s.* *Oblong*, robust, moderately convex; nitid, head and thorax greenish-black, elytra cupreous (green), legs and underside black, antennæ, palpi, and tarsi piceous, tips of the palpi red.

*Head* with curvate frontal impressions; the genæ dilated below the prominent eyes. *Antennæ* rather slender, the three basal joints glabrous, joints 2-4 compressed near the base. *Thorax* 5 lines wide,  $3\frac{1}{2}$  long, widest before the middle, almost regularly rounded near the front, narrowed but not sinuate behind; posterior angles rectangular, not projecting; base and apex incurved; disc convex, the curved frontal impression well marked, and somewhat foveate at the extremities, dorsal groove deeper near the frontal and basal margins than on the middle, basal fossæ large, the intervening space depressed. *Scutellum* broad. *Elytra* rather wider than the thorax, their sides a little curved, sinuate apically, shoulders moderately dentiform; they are punctate-striate, the punctures, however, are rather fine; interstices convex, the fourth and sixth much reduced in breadth, the third with three or four rather small punctures, numerous minute ones on the fifth and seventh. *Abdomen* with two setigerous punctures on each side of the terminal segment.

This is the most robust species known as yet. It is considerably larger than *T. antarcticus*, its nearest ally, and may be easily distinguished therefrom by the different elytral interstices, and by the presence, on each elytron, of a large blister-like swelling extending across the fourth, fifth, and sixth interstices just behind the posterior femur.

♀. Length, 16; breadth,  $5\frac{3}{4}$  lines.

Albury, Canterbury. Described from a female which Mr. W. W. Smith, of Ashburton, kindly transmitted.

#### Pterostichus.

2435. **P. arduus**, *n.s.* *Elongate*, slightly convex; glossy, black, tarsi and antennæ piceous, trophii pitchy-red, becoming paler at the extremity.

*Head*, including the mandibles, quite as long as the thorax, with only moderately-marked frontal impressions; eyes prominent, genæ swollen. *Thorax* one-fifth broader than long, widest near the front, gradually narrowed from about the middle, there is a short, nearly straight, space just before the hind angle, so that there appears to be a sinuosity there, and this causes the posterior angle to appear prominent; the apex is feebly, the middle of the base more evidently, incurved; disc with slight transverse linear impressions, dorsal groove well marked, scarcely touching the apex, basal fossæ large but not extending to the hind margin. *Scutellum* feebly striate. *Elytra* broader than the thorax, their sides a little rounded, shoulders dentiform; the striæ are rather deep, quite regular, and finely punctured; interstices slightly convex, differing but little in width, with feeble transverse impressions which, behind, cause a slightly undulate appearance.

Belongs to the group with two lateral thoracic setæ. It bears no very close resemblance to any other described species. The last abdominal segment has two setigerous punctures near each side.

♀. Length,  $9\frac{1}{2}$ ; breadth,  $3\frac{1}{8}$  lines.

Mount Arthur. One individual amongst other Carabidæ collected several years ago by Messrs. T. F. Cheeseman and A. T. Urquhart. I left it without a name, in hopes of seeing the male.

2436. **P. scitipennis**, *n.s.* *Elongate*, subparallel, slightly convex; shining, deep-black, legs pitchy-black, antennæ and tarsi piceo-rufous.

*Head* with narrow, almost sulciform, frontal impressions; eyes large, very prominent and convex, the back part of the head therefore seems to be much contracted. *Thorax* about one-sixth broader than long, widest before the middle, rounded towards the front, gradually narrowed backwards, with a very slight, hardly noticeable, sinuation near the hind angle, this is rectangular and just perceptibly projecting; the apex is truncate, the base medially emarginate, and this latter part is notched with punctiform impressions; the median furrow is broad and deep but does not reach the front margin, the basal fossæ are deep and elongate, almost sulciform, and are placed midway between the middle and the sides. *Scutellum* striate at base. *Elytra* broader than the thorax, with slightly-rounded sides, humeral angles slightly dentiform; their striæ are broad, very deep, and regular, and are distinctly and very regularly punctured; the interstices are of uniform width and slightly raised, the third bears one puncture near the top of the hind slope, the outermost have many large punctures, and the marginal channel is closely punctured to within a short distance of the apex. *Legs* stout; posterior femora but little inflated, the tibiæ slightly flexuous.

This is a beautifully-sculptured insect belonging to the group with two lateral thoracic setæ. The last ventral segment has one setigerous puncture on each side of the middle.



The tooth of the *mentum* is not bifid. The *mandibles* are robust. The tip of one of the labial *palpi* is truncate; the other, as well as the terminal joints of the maxillary, are obtuse only.

♂. Length,  $5\frac{3}{4}$ ; breadth,  $1\frac{7}{8}$  lines.

Mount Pirongia, Waikato. One male, kindly presented to me by Mr. A. T. Urquhart.

2437. **P. delator**, *n.s.* *Elongate*, slightly convex; glossy-black, the legs and basal joint of the antennæ pitchy-black, remaining joints of these latter piceo-rufous, tarsi and palpi dark-red.

*Thorax* one-fourth broader than long, slightly wider before the middle than elsewhere, the sides moderately rounded but a good deal narrowed behind, the short space near the hind angle nearly straight, the angle itself quite rectangular, but not acutely prominent; the front truncate, the base medially incurved; dorsal groove distinct, not touching the base or apex, deeper near the extremities than at the middle, basal fossæ deep, not sulciform, nor yet very broad, and without external plicæ. *Scutellum* striate at base. *Elytra* rather broader than the thorax, with moderately-curved sides, shoulders dentiform; their striæ are regular, and are finely, sometimes indistinctly, punctured, some striæ appear to consist of elongate interrupted impressions, but, nevertheless, they appear regular; interstices rather flat, the third and fifth a little broader than the others. (Four lateral thoracic setæ.)

This species most nearly resembles *P. sinuellus*, but is at once differentiated by the form of the thorax, which is more rounded laterally, and it has not the conspicuous hind angles of that species; the hind-body is rather shorter and narrower.

♂. Length,  $7\frac{1}{2}$ ; breadth,  $2\frac{1}{2}$  lines.

Ashburton. One example, picked out from amongst other predaceous ground-beetles forwarded by Mr. W. W. Smith.

2438. **P. rugifrons**, *n.s.* (*Sharp; Trans. Roy. Dub. Soc.*, 1886, p. 451.) *Elongatus*, subparallelus, nitidus, niger; antennis, palpis, pedibusque piceis; capite thoraceque transversim rugosis; elytris foveolato-striatis.

Long., 18mm.

This species belongs to the group 4A, as defined by me, and is allied to *P. myrmidon*, but has the sculpture much more remarkably developed, suggesting at first that the insect is a *Mecodema* rather than a *Pterostichus*. *Holcaspis cribrale* is, I expect, nearer to the species I am considering, but the description indicates that it must possess a still more remarkable sculpture. In *P. rugifrons* the *thorax* is almost longer than broad, but little curved at the sides, and slightly broader at the base than it is at the very depressed obscure front angles; the surface is traversed by numerous distinct, but not deep, transverse rugæ; the hind angles are decidedly obtuse, owing rather to the curvature of the base than to the rather small obliquity of the lateral margin. The sculpture of the *elytra* consists of striæ interrupted in some places, and in others augmented by

oblong depressions, which are more conspicuous and punctiform on the lateral regions than on the sutural.

Greymouth. Helms.

NOTE.—This species is more like Nos. 1791 and 2331 than *P. cribralis*. The name "*rugifrons*" was applied fifteen years ago to No. 87.—T. B.

## Group—POGONIDÆ.

### Sympiestus.

2439. **S. oculator**, *n.s.* *Elongate-oblong*, slightly convex; shining, black, femora piceous, tibiæ, labrum, and mandibles rufescent, palpi and antennæ paler.

*Head*, owing to the very prominent eyes, appearing much contracted behind, with the usual frontal marks. *Thorax* one-fourth broader than long, widest before the middle, base and apex subtruncate; the sides a little narrowed and sinuate behind, posterior angles rectangular, not projecting; median groove well marked except near the front margin, basal impressions narrow and elongate. *Scutellum* short. *Elytra* oblong, rather wider than the thorax, a little rounded laterally, scarcely at all sinuate apically, the sides strongly margined except near the apices, the hind line of the basal margin feebly marked and not extending inwards beyond the fourth striæ, the grooves at each side very shallow but distinct, the discoidal striæ and their punctuation well developed.

This differs from the previously-described species by the shape of the head, which, including the large convex eyes, is not much narrower than the front of the thorax; the labrum is deeply emarginate, and, besides the large setigerous puncture near each angle, the middle is transversely impressed and bears some minute punctures and setæ.

♂. Length, 3 lines; breadth, 1 line.

Hunua Range. My specimen was found by the well-known American entomologist, Mr. Albert Köbele.

### Oöpterus.

2440. **O. puncticeps**, *n.s.* *Subovate*, moderately convex, shining, fusco-piceous; the labrum, mandibles, elytral rims, and antennæ, reddish; the suture of the elytra, and the base of the thorax, somewhat rufescent; legs and palpi fulvous.

*Head* rather small, the space near the eyes swollen, this causes the back part to appear constricted, the narrow part, moreover, is limited by a linear impression in line with the back part of the eyes; the frontal grooves are rather broad but not deep, near each eye are two conspicuous punctures. *Antennæ* with basal two joints glabrous. *Thorax*  $\frac{5}{8}$  line long,  $\frac{6}{8}$  broad; rather wider at the middle than it is elsewhere, gradually and nearly equally narrowed towards the base and apex, the latter truncate, the former a little incurved, lateral margins of nearly uniform thickness throughout; disc convex, dorsal

groove rather fine and abbreviated, basal fossæ broad and shallow, the plica near each basal angle well developed, the angle itself rectangular; between the fossæ there are some indistinct punctures, and near each side there is a slight flattening of the surface. *Elytra* oval, a good deal broader than the thorax, the broad lateral margins become thinner towards the base and apex, but the shoulders are broader than the base of the thorax, the basal region is slightly raised, the *scutellum* seems as if it were only a portion of this; the striae are fine, not very evenly impressed, and are only slightly punctate, the posterior carina is distinct, and there are three small punctures on the third interstice. *Tarsi*, anterior, with the two basal joints a little produced at the inner extremity. *Palpi* acuminate.

*Underside* glossy-brown, coxæ and trochanters red.

Allied to No. 1145. The interocular punctures are distinctive.

♂. Length,  $2\frac{7}{8}$ ; breadth,  $1\frac{1}{8}$  lines.

Port Hills, Christchurch. I owe my specimen to the kindness of Mr. H. Suter.

## Group—BEMBIDIIDÆ.

### Tachys.

2441. **T. (?) oreobius**, *n.s.* *Shining*, sordid rufo-testaceous, elytra more or less infusate, legs, antennæ, and palpi pale-yellow.

*Body* moderately convex. *Head* subovate, frontal impressions moderate, the intervening space somewhat convex; from the point of antennal insertion a fine oblique raised line extends backwards, below this the minute *eyes* may be seen. *Antennæ* reaching beyond the base of the thorax, slender, with fine greyish pubescence, the second joint quite as long as the first, and longer than the third. *Thorax* much broader than it is long, its sides finely margined and moderately curved, widest at, or just before, the middle, more narrowed behind than in front but hardly at all sinuate, the shape therefore is subquadrate; posterior angles obtuse, the base margined at the sides; basal foveæ small, placed close to the hind margin but distant from the sides, the dorsal groove indistinct; I see but one lateral seta, which is situated just before the middle. *Scutellum* invisible. *Elytra* a good deal broader than the thorax, not truncate behind, their sides moderately rounded; lateral margins broad, narrowed near the apex, continued inwards towards the middle of the base and forming rounded shoulders; they are without distinct sculpture above, but on each elytron a series of minute punctures may be seen near the side; they bear some short, erect, greyish hairs. *Legs* stout, the anterior pair remarkably so, the *femora* much inflated but flattened underneath, the *tibiæ* are dilated towards the extremity, and the usual inner notch is situated rather low down; the *tarsi* (male) have the basal joint much enlarged and of oblong shape, the second also is dilated, but much smaller, the third and fourth are small, the claws slender; the posterior femora are simple, their trochanters are large.



The *prosternum* is moderately emarginated, and the coxæ are placed near its base, with a narrow process between them. The *metasternum* is limited behind, at each side, by a bicurvate suture. *Abdomen* composed of four segments, the basal very large, second and third of moderate length, the last seems to possess a small terminal spiniform process. *Palpi* with thick penultimate joints, the last acicular. *Mandibles* moderately large and curved.

♂. Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Mount Pirongia. Mr. A. T. Urquhart was kind enough to bring some leaf-mould from the mountain, and out of this I picked my two specimens.

Obs.—In referring this species temporarily to *Tachys* I follow the course adopted by Dr. Sharp when he described his *Cillenum subcæcum*, which, I think, is congeneric with my *Anillus-pallidus*. No. 1810 is, I believe, an *Anillus*. I shall deal with the following species in the same way; in fact, we in New Zealand cannot be expected to do better than entomologists near London.

2442. **T. (?) cavelli**, *n.s.* *Body* slightly convex, somewhat depressed medially; shining, rufo-fuscous, mandibles pale-red, legs, palpi, and antennæ yellow.

*Head* (including mandibles) about as long as the thorax, frontal impressions subquadrate and sharply limited in front; *labrum* fulvous, feebly emarginate; *eyes* small, quite lateral. *Antennæ* stout, extending backwards beyond the base of the thorax, basal joint not quite as long as second and third taken together, joints 2, 3, and 4 of nearly equal length, thinner than the succeeding ones. *Mandibles* robust, elongate, curved at extremity. *Thorax* almost as long as it is broad, widest near the front, narrowed towards the anterior angles, which are distinct, not rounded, and but little depressed; behind the middle the sides are gradually, but considerably, contracted, with a slight sinuation near the hind angles; these, though obtuse, are not rounded; the margins are a little thickened there, and are continued towards the middle of the base, where they become indistinct; the median groove distinct, finer near the apex, basal fossæ broad and shallow. *Scutellum* indistinct. *Elytra* large, broader and more convex than the thorax, their sides well marginated and moderately curvate, obliquely narrowed behind, apices not in the least truncate, shoulders rounded and narrowed yet evidently wider than the base of the thorax; at the base, on each, but not reaching the suture, there is a transverse depression, and one puncture; the striæ on the disc are very feebly impressed and impunctate, there is a more obvious stria on each side, and a submarginal series of punctures. *Legs* stout, femora not swollen; front *tibiæ* deeply notched inwardly, the top of the emargination with slender, strongly flexuous, spiniform appendages, the calcar at the inner apex is stout, and there are three or four short spines on the outside; the joints of the *tarsi* (anterior) are subtriangular and hispid; the posterior *tibiæ* are a little bent.

The maxillary *palpi* are remarkably long and robust; the basal

articulation is elongate and much curved; the second is about half as long, very slender at the base, its form subtriangular; the penultimate is nearly twice as long as the second, almost oviform, gradually attenuated towards the extremity, so that the rather thick needle-shaped terminal joint is not distinctly marked off. The labial *palpi* have similarly-formed terminal joints, but the apical one is more aciculate.

♀. Length,  $2\frac{1}{8}$  lines; breadth, nearly  $\frac{7}{8}$  line.

Capleston, Westland. This is an abundantly distinct species, which, with pleasure, I name after its discoverer, Mr. A. T. Cavell, who sent me a specimen.

### Group—HYDROPHILIDÆ.

#### *Saphydrus* (Gen., p. 1014).

2443. *S. monticola*, n.s. *Oblong-oval*, broad, moderately convex, glabrous, a little shining; fuscous, sides of thorax broadly sordid-testaceous, elytral margins and apical region of the same pale colour, legs red, antennæ yellowish, club fuscous and opaque, palpi fusco-testaceous.

*Head* closely and distinctly punctate, with a fine line extending from each antenna to the vertex; *eyes* convex. *Antennæ* short, third joint elongate and slender; sixth very short, strongly transverse, as dull as the club. *Thorax* much broader than it is long, its sides margined and feebly curved, scarcely at all narrowed in front, anterior and posterior angles rounded, the base and apex slightly bisinuate; its sculpture a little coarser than that of the head. *Scutellum* elongate, triangular, depressed. *Elytra* striate, the striæ become shallow behind, their whole surface punctured as closely as and rather more coarsely than the thorax.

*Underside* pale-brown, finely punctate and pubescent, as are also the femora.

The short, peculiarly-shaped thorax, and the obvious punctuation, differentiate this species.

Length,  $2\frac{1}{4}$ ; breadth,  $1\frac{3}{8}$  lines.

Mount Pirongia. One example, found amongst leaf-mould gathered by Mr. A. T. Urquhart.

OBS.—From the same source, but shaken off trees, I have two specimens of *S. oblongus* (No. 150). They differ from the type in being nearly black, with red margins. Their posterior femora are not glabrous, being, however, only indistinctly punctured and pubescent. This precludes the separation of Dr. Sharp's four species into two distinct genera.

#### *Rygmodus* (Gen., p. 79).

2444. *R. alienus*, n.s. *Oblong-oval*, moderately convex, shining; head and thorax nearly black, elytra greenish-blue, sides of thorax broadly rufescent, legs nigro-piceous; palpi and antennæ

fuscous, the former with pale tips, club dull-black, densely pubescent.

*Head* minutely punctured, without raised margins, feebly emarginate in front; labrum fulvescent, widely incurved. *Antennæ* with joints 3-5 rather short and decreasing in length, sixth quite transverse; club large, its basal joint, on the inside, gradually expanded, its shape therefore almost quite triangular, the middle joint about as broad as it is long, the point of articulation near the outside instead of being in the centre, the terminal much smaller than the preceding one. *Thorax* much shorter than it is broad, its sides gradually narrowed and slightly curved towards the front, the anterior angles more rounded than the posterior, the surface minutely punctured. *Elytra* ample, suboblong, not attenuate (or but slightly) posteriorly; punctate-striate, the striae near the base and suture more or less obsolete; interstices rather flat, minutely punctured. *Femora* short, not extending beyond the sides of the body; front tibiae somewhat thickened towards the extremity, with only feebly-curved spurs; claws with basal lobes.

It may ultimately be expedient to separate this species from *Rygmodus*. In that case the genus must form a connecting-link between *Saphydrus* and *Rygmodus*.

Length,  $3\frac{1}{4}$ ; breadth,  $1\frac{3}{4}$  lines.

Capleston, Westland. One example was kindly forwarded by Mr. A. T. Cavell.

### **Tormus** (Gen., p. 1018).

2445. **T. nitidus**, *n.s.* *Oval*, rather narrow, very convex, glabrous, shining; æneo-niger, legs red, tarsi paler, antennæ shining fulvescent, club fuscous and opaque.

*Head* relatively large, finely punctured, the forehead separated from the labrum by a transversal groove. *Thorax* transverse, with rounded angles; the surface with small, shallow, distant punctures. *Scutellum* small, smooth. *Elytra* obsoletely sculptured on the disc; along the sides, and on the posterior declivity, there are series of moderate punctures; the lateral series do not reach the base; those behind, nearest the suture, form striae; all these series are straight. The posterior *femora* are finely punctured and pubescent.

This, no doubt, is closely allied to the typical species.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Capleston. Another of Mr. Cavell's novelties.

### **Psephoboragus.**

*Nov. gen.*

*Body* oblong-oval, moderately convex. *Pronotum* margined, bisinuate, closely applied to the hind-body, and of equal width at the base. *Labrum* very short, barely visible in front of the feebly-emarginate epistome. *Eyes* moderately prominent. *Maxillary palpi* of moderate length, the two terminal joints slender and of about equal length, the preceding one clavate towards the extremity; the labial short, their two last articulations thick. *Antennæ* eight-jointed,



the basal joint twice the length of the second, 3-5 slender, the third elongate and thickened near the extremity, fourth and fifth short; club laxly articulated, the terminal joint larger than the seventh. *Mentum* large, transversely quadrate, emarginate in front. *Prosternum* medially convex, but not at all carinate, in front of the coxæ. *Mesosternum* ridged along the middle, its process abruptly raised to the level of the coxæ; these latter separated by a thin lamina. *Metasternum* with a slight triangular projection in front; its central portion obtusely elevated. Posterior *coxæ* distinctly, yet not widely, separated. *Abdomen* with five nearly equal segments, the sculpture minute and obsolete. *Epipleuræ* simple, becoming linear behind. *Femora* finely punctate and pubescent. *Tibiæ* finely spinose externally, the anterior with two curved apical spurs. *Tarsi* pubescent, the basal joint of the posterior nearly as long as the second. Claws small and slender.

The nearest ally is *Cyloma*. It has, however, a differently-formed mesosternal lamina, the prosternum less deeply emarginate in front, and more obvious sculpture and pubescence on its lower surface, &c.

2446. **P. signatus**, *n.s.* *Oblong-oval*, convex, shining, sparsely clothed with minute, extremely indistinct, brassy hairs; piceofuscous, sides of head and thorax sordid-testaceous, elytra with many, mostly elongate, pallid or testaceous spots, most closely congregated near the base and apex; legs more or less testaceous, extremity of femora and the outside of the tibiæ fuscous; antennæ similarly variegated, club fuscous, opaque, with dense minute pubescence.

*Head* closely, distinctly, but not coarsely punctured. *Thorax* strongly transverse, the apex finely margined, and widely but not deeply sinuate near each side; front angles obtuse; the sides margined, gradually narrowed towards the front, the posterior angles nearly rectangular; its punctuation not quite so close as that of the head, but becoming a little coarser at the sides. *Scutellum* triangular, minutely punctured. *Elytra* punctate-striate behind and along the sides, towards the base the sculpture assumes the form of series of closely-placed, moderate-sized punctures; interstices rather flat, with minute punctures, but rather more convex and nearly smooth behind; the lateral margins are not explanate. *Tibiæ* stout, gradually expanded, finely spinose, the lower calcar of the posterior as long as the basal joint of the tarsus.

*Underside* pitchy-brown, the raised central portion of the metasternum more shining and less densely sculptured and pubescent than the sides; on each segment of the abdomen, near the side, there is a slight depression, with adjacent extremely minute greyish pubescence, giving a silky appearance there.

Length,  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Hunua Range, near Maketu. Found on the ground amongst decaying leaves; four individuals.

OBS.—Three varieties occur.

Var. A. Head not so dark, distinctly bordered with testaceous. Elytra not distinctly spotted, the light colour forming suffused patches.

Var. B. Head testaceous at the sides; sides of thorax with suffused spots only. Elytra nearly all dark, the series of punctures with a tendency to unite by pairs at the base.

These forms may afterwards prove to be distinct species; at present I treat them as varieties only.

2447. **P. lineatus**, *n.s.* *Nitid*, fusco-testaceous, the middle of the thorax and a large portion of the elytra fuscous, legs concolorous sordid-testaceous or feebly reddened, antennæ and palpi testaceous, club infusate.

*Head* rather short, epistome truncate; from each antenna an oblique line extends inwardly, meeting the opposite one on the vertex; the surface is closely and distinctly but finely punctured. *Thorax* not quite so closely, but more distinctly, punctured than the head. *Elytra* with series of closely-placed moderate punctures which become striæ behind and along the sides; near the middle of the base the serial punctures are hardly more obvious than those on the interstices.

*Underside* reddish-brown. The prosternum slightly raised or swollen on the middle; in front of this there is a slight angulation. The abdomen marked in nearly the same way as in the typical species.

This is rather more broadly oval than *P. signatus*; the eyes are not quite so prominent; the punctuation of the thorax, instead of being distinctly and rather abruptly coarser at the sides, becomes coarser gradually; the serial punctures on the elytra are not so well marked; and the mentum is more deeply emarginate.

Var. A. Body testaceous, middle of thorax smoky-brown, a large part of the head fuscous, elytra somewhat infusate, and in front of the scutellum there is a round fovea.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Capleston. I have seen three specimens; these were sent at different times by Mr. Cavell.

### **Adolopus** (Gen., p. 940).

2448. **A. convexus**, *n.s.* *Convex*, shining, pitchy-black; lateral margins and legs red; tarsi, palpi, and antennæ more or less rufo-testaceous, the club infusate.

*Head* broad, minutely and indistinctly punctate. *Antennæ* short. *Thorax* strongly transverse, the sides rounded towards the front; the anterior angles much rounded, the posterior nearly rectangular; its surface very finely punctured, and with two distinct basal foveæ. *Scutellum* nearly smooth. *Elytra* finely and moderately closely punctured, the sides and apical portion with series of coarser punctures.

Rather larger and more convex than *A. altulus* (No. 158), the sides of the body nearly vertical, the elytral margins a little explanate at

the sides but not so behind, the tibiæ rather thick, the head large with about six rounded impressions.

The *mentum* is rather narrow. The posterior *femora* are minutely punctured and pubescent, and the *coxæ* are densely clothed.—The raised central portion of the *metasternum* is more evidently punctured and clothed than is the case with *A. altulus*.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Capleston. One individual, found by Mr. Cavell.

## Group—ALEOCHARIDÆ.

### *Falagria* (Gen., p. 95).

2449. *F. subopaca*, *n.s.* *Elongate*, slender, opaque, hind-body a little shining; pubescence slender, greyish, inconspicuous; body fuscous, the tarsi and the basal joint of the antennæ pale yellowish-brown, joints 4–7 nearly black, the three or four terminal joints yellowish, usually quite pallid.

*Head* suborbicular behind the forehead, densely and finely sculptured. *Eyes* small, not prominent. *Antennæ* longer than the head and thorax, stout, distinctly pubescent, the hairs of the same colour as the joints from which they arise; second joint shorter than the first; third longer than the following one; 4–7 evidently longer than broad; 8–10 subquadrate; eleventh nearly twice the length of the tenth. *Thorax* longer than broad, widest before the middle, a good deal, but very gradually, narrowed behind, so that the sides behind the middle seem nearly straight; it has a fine median groove from base to apex, and fine dense sculpture. *Elytra* shorter than the thorax, their shoulders oblique, the sides a little rounded, apex truncate; they are somewhat bronzed, with sculpture like that of the thorax. *Hind-body* elongate, the basal four segments about equal and strongly margined laterally, the first two slightly angulate in the middle, at the apex. *Legs* long and slender. *Scutellum* triangular, medially carinate.

The nearly opaque, closely-sculptured surface distinguishes this from *Falagria micans* (No. 176).

Length,  $1\frac{1}{4}$ – $1\frac{1}{2}$  lines; breadth,  $\frac{1}{4}$  line.

Maketu, Hunua Range.

OBS.—A varietal form of *F. micans* occurs on Mount Cook. I have a specimen from Mr. H. Suter.

## Group—TACHYPORIDÆ.

### *Conurus* (Gen., p. 96).

2450. *C. brevicornis*, *n.s.* *Shining*, chestnut-red, elytra and abdomen slightly infuscate, legs pale-reddish, antennæ testaceous; clothed with short, depressed, yellow hairs, and with some long, erect, fuscous ones on the hind-body.

*Head* apparently smooth, its pubescence slender. *Antennæ*



short, finely pilose, joints 4–11 gradually but considerably dilated; the two basal joints cylindric, second shorter than the first; third longer than broad, its basal portion slender; fourth not longer than broad, narrowed towards the base; joints 5–10 strongly transverse, the ninth rather larger than the contiguous ones; eleventh not quite as broad as the tenth, almost rotundate. *Thorax* slightly broader than long, base truncate, the sides rounded towards the front, it is not distinctly punctured. *Elytra* transverse, apices obliquely truncate towards the suture, very finely sculptured. *Hind-body* attenuate, finely punctate. *Tibiæ* bent, the intermediate shorter and thicker than the posterior, sparingly hispid; tarsi rather short.

The short, incrassate antennæ are distinctive.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Maketu, Hunua Range. One.

2451. **C. niticollis**, *n.s.* *Shining*, fuscous; the head and thorax, the apex of the dorsal ventral segments, and the legs, chestnut-red; clothed with short yellow hairs, the sides and apical segment of the hind-body with coarse black hairs.

*Head* distantly and indistinctly punctate. *Antennæ* pubescent; second joint rather thicker, but shorter, than the third; fifth broader than the fourth, twice as long as it is broad; joints 6–10 subquadrate, each becoming a little shorter and broader, so that the tenth is transverse; eleventh conical. *Thorax* evidently longer than broad, very finely and distantly punctured, more glossy than the rest of the surface. *Elytra* subquadrate, shorter than the thorax, apices nearly truncate; they are finely sculptured, and near the suture appear to be minutely asperate. *Hind-body* elongate, finely punctate. *Legs* elongate, the middle femora at the extremity, underneath, with a slender spiniform seta, tibiæ slightly bent; tarsi about the length of the tibiæ.

The hind-body, in the only specimen I have seen, shows the peculiarity of an angular lamina near one side of the second segment, and on the opposite side of the fourth there is a similar slightly-raised lamina.

This species may be placed near No. 182; it does not, however, bear much resemblance to it.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Moeraki. One, sent by Mr. Sandager.

OBS.—No. 177. A variety of this species, having ash-coloured or fuscous pubescence, was forwarded by Mr. G. V. Hudson, and I at first thought it represented a distinct species. The pubescence is very easily removed. This specimen was marked by Mr. Hudson No. 122.

## Group—XANTHOLINIDÆ.

### *Xantholinus* (Gen., p. 102).

2452. **X. cæcus**, *n.s.* *Elongate*, slender, depressed, sparsely clothed with very fine pale hairs; the head, thorax, antennæ, and

front tibiæ rufous, elytra and hind-body pale testaceo-fuscous, legs yellow.

*Head* oblong, gradually narrowed towards the front; with very few, moderately fine, mostly oblong punctures; forehead deeply bisinuate, with two oblique frontal grooves. *Mandibles* rather elongate, acute at the apices, the left one with a prominent tooth directed somewhat upwards. *Eyes* apparently absent. *Antennæ* with the basal joint almost as long as the following three, rather slender near the base; second and third nearly alike; fourth and fifth rather broader; 6-10 transverse; seventh and eighth distinctly broader than the contiguous ones; tenth narrower than the ninth; eleventh ovate, not large. *Thorax* longer than broad, with a short narrow neck in front, which is oblique towards the sides, these are only slightly narrowed towards the base, it is without distinct sculpture. *Elytra* quadrate, apices individually rounded, their sculpture shallow and ill-defined. *Hind-body* nearly smooth, with distinct lateral margins; it is sometimes quite membranous. Posterior *femora* straight below, strongly arched above, so as to appear very broad, their tibiæ curved.

The New Zealand *Xantholinidæ* are provided with moderately large eyes, in this species these organs seem to be altogether wanting. It resembles No. 197 except in the important character indicated.

Length, 2 lines; breadth,  $\frac{1}{4}$  line.

Hunua Range and Waitakerei. One from each.

## Group—STAPHYLINIDÆ.

### Quedius.

(Gen., *Lacord.*, *Hist. des Ins. Coléoptères*, p. 84, vol. ii.)

2453. *Q. agathis*, n.s. *Elongate*, narrowed towards both extremities; head and thorax glossy cupreo-fuscous, elytra fuscous, abdomen violaceous, the legs and two basal joints of the antennæ testaceous, the other joints infusate.

*Head* narrow, oviform; behind the eyes finely punctured, between them, in front, with a cluster of fine dots. *Eyes* oviform, occupying more than half of the side of the head. *Antennæ* long and slender, with blackish erect hairs, joints 3-11 opaque and densely pubescent. *Thorax* about as long as broad, considerably narrowed towards the front, the base rounded so that the hind angles are quite indistinct; on the disc, before the middle, there are two obvious setigerous punctures, there are two smaller ones near the apex, and several along the sides and base, all with long fuscous hairs. *Scutellum* triangular. *Elytra* ample, oblong, incurved behind towards the suture; densely and finely punctured, and covered with conspicuous, depressed, yellowish-brown hairs. *Hind-body* elongate, closely and finely sculptured, clothed with slender cinereous pubescence, and bearing also numerous long, erect, fuscous hairs; terminal styles elongate.

Male. Front *tarsi* with moderately-expanded basal joints.

Very much like *Q. arctifrons* (No. 210), distinguishable from it by the cluster of fine punctures on the forehead.

Length,  $2\frac{1}{2}$ – $2\frac{3}{4}$  lines; breadth, quite  $\frac{5}{8}$  line.

Hunua Range. One found by Mr. G. Campbell Munro near Clevedon, the other by myself at Maketu.

## Group—PÆDERIDÆ.

### Hyperomma.

*Nov. gen. (Fauvel).*

Allied to *Lithocharis*. *Form* elongate and narrow. *Clypeus* very short, vertical, or inflexed, membraneous. *Labrum* very short and broad, with a narrow median notch extending almost to its base. *Mandibles* and *palpi* very long, the penultimate joint of these latter gradually, but considerably, dilated towards the extremity, the terminal joint conical. Head quadrate or oblong, not contracted in front of the eyes. The *peduncle* between the thorax and elytra is distinct. The *tarsi* are longer, and less dilated, than they are in *Phanophilus*.

2454. **H. dispersum**, *n.s.* (Fauvel). *Elongate*, very narrow, shining, red; antennæ and tarsi fulvescent; hind-body elongate, moderately thickly covered with slender yellowish hairs, head and thorax very sparsely pubescent.

*Head* slightly longer than broad, subquadrate, rounded behind, with a few distinct punctures, smooth along the middle. *Antennæ* as long as the head and thorax, with yellowish pubescence, second joint rather shorter than the third, joints 8–10 broader than the preceding ones. *Mandibles* very long and slender, curved, a little thicker at the base, each with a small denticle there. *Thorax* hardly as wide as the head, evidently longer than broad, a little, but very gradually, narrowed towards the base; with two regular series of distinct punctures near the middle, some others, less serial, near the sides, and a few minute scattered ones. *Scutellum* large, triangular. *Elytra* very short, hardly longer than broad, incurved behind, shoulders rounded; very irregularly sculptured, some of the punctures coarse, others quite fine, so that their surface is uneven or rugose. *Hind-body* more or less distinctly but finely punctured, darker than the elytra, strongly margined laterally, sixth segment narrow, with prominent styles. *Legs* long and stout, the tibiæ with short, erect, slender setæ. *Tarsi* rather coarsely pilose, the anterior with four basal joints expanded; the posterior slender, their first joint a little longer than the second.

Length,  $3\frac{3}{4}$  lines; breadth,  $\frac{1}{2}$  line.

Howick. Two examples, one of which I sent to M. A. Fauvel, who was kind enough (about ten years ago) to give me the above name for it. I give a description so that the following species may be associated with it.



2455. **H. mandibulare**, *n.s.* *Elongate*, narrow, shining; the head, mandibles, and thorax red; elytra darker, infusate-red; legs testaceous; labrum, antennæ, and palpi fulvescent; pubescence yellowish, most conspicuous on the hind-body.

*Head* with about six moderately large punctures on the frontal half, the other parts (except the smooth central portion) with numerous finer punctures. *Thorax* much longer than broad, slightly narrowed towards the base; there is a row of distinct punctures along each side of the middle, some irregular ones near the sides, and interposed between the larger punctures there are some minute dots. *Elytra* relatively small, but rather longer than broad, with rounded shoulders, their extremity incurved; their punctures are moderately large, rather shallow, and somewhat serial. *Hind-body* finely sculptured, the lateral margins of the fifth segment become quite narrow behind, styles moderate.

Smaller than *H. dispersum*, Fauvel, differently coloured; the *mandibles* with two basal denticles on each, and a large acute tooth between these and the middle; the *head*, instead of being widest behind, as it is in *H. dispersum*, is narrowed there, it is longer, the shape being oblong, and the sculpture differs; the apical spines of the posterior *tibiae* are longer, and the *tarsi* are more elongate and slender; the basal joints of the front *tarsi* are simple and of nearly equal width.

♀. Length,  $2\frac{3}{4}$  lines; breadth, nearly  $\frac{1}{2}$  line.

Paparoa, near Howick. Unique.

2456. **H. duplicatum**, *n.s.* *Shining*, red; legs, antennæ, and palpi yellowish-red, *tarsi* yellow; pubescence greyish-yellow.

Resembles *H. mandibulare*. The *head* more oblong, scarcely at all narrowed behind, with minute punctures interposed between the larger ones. The *thorax* is slightly longer, not distinctly narrowed posteriorly, its front and hind angles (as is the case in the preceding two species) are rounded, it is attached to the head by a short but obvious neck, and the discoidal series of punctures are more or less duplicated. The last two *dorsal segments*, though rather darker, are nearly testaceous at the extremity; the fifth is acutely rounded at the apex, and the styles project beyond it at the sides. *Eyes* smaller.

Male. Anterior *tarsi* moderately dilated; the fifth segment, underneath, with a deep notch extending two-thirds of its length.

Female. Fifth segment subtruncate behind.

Length, 3– $3\frac{1}{4}$  lines; breadth, nearly  $\frac{1}{2}$  line.

Maketu, Hunua Range. One pair only. All the species occur on the ground, amongst fallen leaves, and are evidently very rare.

### Group—OXYTELIDÆ.

#### Coprostygnus (Gen., p. 1027, Part V.).

2457. **C. optandus**, *n.s.* *Elongate*, glabrous, glossy, pitchy-black; the palpi, *tarsi*, and basal joint of antennæ red; legs rufopiceous.

*Head* narrower than the thorax, its sides strongly elevated near the antennal insertion, distinctly punctured; clypeus and mandibles reddish, the former minutely punctate. *Antennæ* stout, elongate, the last five or six joints with more conspicuous yellowish pubescence than the others, the basal two nearly glabrous; third much longer than second, joints 3-11 with a distinct rim at the base. *Thorax* narrower than the elytra, about as long as broad, base truncate, apex slightly sinuate, widest before the middle, the sides a little narrowed, but nearly straight behind, posterior angles rectangular; its surface uneven, moderately coarsely punctured. *Elytra* as long at the sides as they are broad, the apices obliquely cut away towards the suture; on each elytron, near the middle, there is a large tubercular elevation; they are so sculptured as to appear punctate-striate, the interstices are elevated for the most part, but, behind, some of them are flattened and more distinctly punctured than they are near the base. *Abdomen* elongate, more or less finely punctured, the three basal segments with the lateral margins a good deal thickened behind, third with a transverse impression near the base, and two small, but distinct, tubercles near the apex; second segment similarly tuberculate; the penultimate with a sharply-raised, laterally-compressed elevation behind; sixth rufescent. *Tibiæ* nearly straight, with short, erect, slender, reddish setæ.

Female. *Elytra* and hind-body without tubercles, the former with the second, third, and fifth interstices rather broader than the others.

The male may be easily known by the armature of the elytra and abdomen.

♂. Length,  $3\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Capleston, Westland. Mr. A. T. Cavell was kind enough to send me two; the female, however, had been decapitated.

## Group—HOMALIDÆ.

• *Homalium* (Gen., p. 115).

2458. *H. tenellum*, n.s. *Slender*, subparallel, slightly nitid; pubescence yellow, distinct, much shorter on the elytra; pale-castaneous, head and thorax slightly rufescent, the basal portion of the elytra infusate, the apical yellowish; legs testaceous, the middle of the tibiæ more or less infusate.

*Head* widest in line with the prominent eyes, between these there are two well-marked, rounded foveæ, its punctuation is distinct but not close. *Antennæ* with the basal joint quite as long as the following three taken together; second stout, oviform; 3-5 bead-like, third longer than broad, these three joints paler than the others; sixth rather larger than the fifth; 7-10 transverse; eleventh conical; the last six joints bear erect fuscous hairs. *Thorax* nearly as long as broad, its sides nearly straight behind but well rounded towards the front, the posterior angles rectangular; there are two depressions behind the middle, and a small one at each side, it is distinctly but not closely punctured. *Elytra* quite oblong, the sutural region

depressed, their punctuation more or less serial. *Hind-body* rather larger than the elytra, finely sculptured.

VAR.—Interocular foveæ small, sixth antennal joint nearly as broad as the seventh, the body more uniformly pale-brown.

Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Maketu, Hunua Range. Two examples.

## Group—PSELAPHIDÆ.

### *Tyrus* (Gen., p. 121).

2459. **T. spinipes**, *n.s.* *Shining*, head, thorax, and abdomen rufo-piceous, elytra red, legs more or less infusate, middle of femora almost piceous, antennæ pale-red, palpi and tarsi yellow.

*Head* with rather small interocular foveæ, with pale hairs near its sides; the tubercles, in the male sex, rather small and flat, appearing to unite across the forehead, in the female with a broad, shallow interval between them, similar to what is usual in *Bryaxis*. *Eyes* prominent. *Palpi* (maxillary) short, the basal joints with short slender stalks, the terminal largest and rather broad. *Antennæ* finely pubescent, stout, longer than the head and thorax; basal articulation not twice the length of the second, both cylindric; third very slightly shorter than fourth, which is about the same length as the sixth or seventh; fifth slightly longer than the adjoining ones; eighth a little shorter than seventh; ninth and tenth rather longer than broad; eleventh largest. *Thorax* constricted in front, disc convex, near the base there is a curved impression which is deeper at the sides, the pubescence is like that of the head. *Elytra* narrowed near the shoulders, longer than they are broad; the sutural striæ broad and deep at the base, the intrahumeral impressions well marked; the hairs are slender, mostly erect, and yellowish. *Hind-body* convex, of moderate length, with yellowish pubescence. *Legs* elongate, tibiæ slightly bent, the posterior, however, are straight, and, on the inside, at about one-third of their length from the apex, are armed with a distinct spine.

Female. Antennæ with joints 3-6 about equal, the fifth slightly longer, seventh and eighth short, ninth and tenth not longer than broad.

The head is similar in shape to that of *T. mutandus*, but the tubercles and maxillary palpi are essentially different. From *T. armatus* it differs by the absence of the very prominent spines on the metasternum, and by the tibial spines being higher up, besides differences already pointed out in the descriptions.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Riccarton Bush, Christchurch. One of each sex, found by Mr. Suter.

### *Euglyptus*.

*Nov. gen.*

*Palpi* short; second joint of the maxillary elongate, its long basal portion slender, the apical clavate; third short, not as thick



as the apex of the second; fourth stout, ovate, moderately long. *Head* not rostrate, rather short and vertical in front; antennal tubercles large, elevated, approximate. *Antennæ* 11-articulate. *Mesosternum* with the flattened lamina acutely prolonged between the middle coxæ. *Metasternum* large, convex. *Abdomen* composed of seven segments, 2-5 gradually diminish, seventh short, conical. *Tarsi* with a minute basal joint, the second longer and thicker than the third, with one claw. *Eyes* prominent and coarsely faceted.

*Microtyrus* is a cognate form. *Tyrus* may be readily separated by its double tarsal claws.

2460. *E. elegans*, *n.s.* *Body* moderately elongate, slightly convex, pubescent, red, shining; elytra, legs, and antennæ of a yellowish-red, tarsi and palpi yellow.

*Head*, including the eyes, slightly broader than the thorax, narrowed behind, closely punctate; between the hind part of the tubercles there is a depression which does not extend as far as the eyes, the tubercles touch each other in front. *Thorax* longer than broad, obliquely narrowed anteriorly, widest just before the middle, where the sides are almost obtusely angulated, behind that point the sides are nearly straight and only slightly narrowed; the surface evidently punctured, with a broad dorsal groove which nearly reaches the apex, each side has a large elongate impression, these are not connected by any distinct basal depression. *Elytra* oblong, somewhat narrowed near the shoulders; they are seemingly impunctate, though not very smooth; the pubescence is yellow, decumbent, and short; near the apex, which is depressed, the hairs are dense; besides the well-marked sutural stria, there appear to be two broad shallow basal impressions on each elytron; the shoulders are raised. *Hind-body* shorter than the elytra, of the same width at the base, gradually narrowed, not much deflexed, pubescent, the first three segments broadly marginated, the basal one depressed at the base, the second with a median transverse depression in front. *Legs* long and slender.

*Antennæ* finely pubescent; basal joint cylindric, rather larger than the second; third smaller, narrow near its base; fourth slightly longer than it is broad; fifth larger than the contiguous ones, about equal to the third; 6-8 decrease, they are bead-like; ninth rather large, twice the size of the eighth, much narrowed apically; tenth broader than ninth, transverse; eleventh moderately large, acuminate, hardly as broad as the tenth, rather closely applied to it; these three terminal joints more conspicuously pilose than the others.

*Underside*: Head with longish yellow hairs, and a large fovea behind the middle. Prosternum and coxæ as in *Microtyrus punctatus*.

An easily-recognised species. No other in New Zealand has similarly-formed antennæ; the gap between the ninth and tenth joints is obvious, so that the last two seem to form a sort of

club. There are, apparently, only five dorsal segments to the hind-body.

Length,  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{4}$  line.

Maketu, Hunua Range. One, probably a male.

### Microtyrus.

*Nov. gen.*

*Palpi* short; second joint of the maxillary clavate at the extremity, its long basal portion very slender; third very short, thick; fourth largest, nearly securiform-ovate but with the apex acuminate, it has a very short basal stalk. *Antennæ* 11-articulate. *Antennal tubercles* of only moderate size, with a distinct but rather narrow channel between them. *Eyes* large and prominent, equally so underneath. *Prosternum* subcarinate along the middle; its flanks marked off by a slightly-raised line; this is oblique in front, but curvate behind, forming an angle near the coxæ. *Anterior coxæ* large, exserted, cylindrical, and contiguous; the intermediate slightly separated. *Mesosternum* with a raised lamina on the middle, its surface flat, both extremities pointed. *Metasternum* very large, simply convex. *Posterior coxæ* only moderately separated, the trochanters prominent. *Abdomen* short, barely as long as the metasternum, greatly curvedly narrowed apically, composed of six segments, the fifth with the hind suture incurved, the others with straight sutures, segments 2-5 gradually diminish. *Legs* long and slender; *tarsi* with a small basal joint, the next two joints elongate; there is but one claw. *Hind-body* with five visible dorsal segments, the basal three only feebly margined.

The genus should be placed near *Tyrus*, from which it differs by the structure of the maxillary palpi, by the short and nearly perpendicular front of the head, by the large metasternum, short abdomen, &c.

2461. **M. punctatus**, *n.s.* *Convex*, narrowed anteriorly, pubescent, shining, sanguineous; the legs, antennæ, and elytra rufescent; palpi and tarsi yellow.

*Head*, including the eyes, as broad as the thorax, evidently punctate, without distinct foveæ; when examined from the side a shallow continuous central groove may be seen; the pubescence is yellow and rather short. *Thorax* longer than broad, widest near the middle, more narrowed in front than it is behind, punctate; the broad dorsal furrow extends almost from base to apex, at each side, behind, there is a large elongate fovea, and near the base there is a transverse impression; it bears some slender hairs. *Elytra* large, oblong, narrowed near the shoulders, indistinctly punctate; clothed with bright-yellow hairs, some of these are very short; the sutural striæ are well marked and quite foveiform at the base, the intra-humeral impressions are broad but not very elongate; they are separated from the shoulders by plicæ. *Hind-body*, as looked at from above, hardly more than half the length of the wing-cases, scarcely as broad at the base as these are behind, very much

rounded and narrowed towards the extremity ; its three basal segments nearly equal.

*Antennæ* as long as the head and thorax ; first joint red, cylindric, one-third longer than second ; joints 3-8 slender, nearly bead-like, third, however, longer than broad, fifth slightly larger than the contiguous ones ; ninth bead-like, more than twice the size of the eighth, scarcely longer than it is broad ; tenth rather broader than long, larger than the ninth ; eleventh large, very much acuminate.

*Underside* shining, reddish, pubescent ; the head with elongate slender yellow hairs ; on the sides of the prosternum the hairs are short and dense.

Length,  $\frac{5}{8}$  ; breadth, nearly  $\frac{1}{4}$  line.

Maketū, Hunua Range. Four examples, without noticeable sexual disparities.

### *Pselaphus* (Gen., p. 122).

2462. *P. cavelli*, n.s. *Elongate*, narrowed anteriorly, moderately convex, pubescent, shining, chestnut-red, tarsi and palpi fulvous.

*Head* subovate, indistinctly punctate, with fine golden hairs ; the interantennal channel prolonged to behind the eyes, deep and wide behind, subtriangular ; vertex convex, narrowed posteriorly so as to form a sort of broad neck, which is longitudinally grooved. *Eyes* prominent, with coarse facets. *Antennæ* red, elongate, the basal two joints cylindric, the second the shorter ; 3-8 longer than broad, nearly similar, the third and eighth rather stouter than the others ; ninth and tenth larger than the eighth ; eleventh largest, acuminate. *Palpi* (maxillary) elongate, second joint a little thickened at the base, quite clavate at the apex ; third short ; fourth as long as the other three conjointly, incrassate at the base, slender beyond it, its club about one-fourth of the entire length. *Thorax* longer than broad, much narrowed behind and in front, smooth, with indistinct greyish hairs. *Elytra* much longer than the thorax, narrowed towards the shoulders ; each elytron with a sutural stria, which becomes fovea-like at the base ; apices feebly sinuate, they bear short, depressed, brassy hairs, disposed in series. *Hind-body* broader than the elytra, its basal segment large, slightly convex, fringed at the base, clothed elsewhere with short, depressed, yellow hairs ; remaining segments deflexed. *Legs* long, the femora slender at the base, quite clavate near the middle ; the tibiæ a little bent, dilated and densely pubescent near the extremity.

*Underside* rufescent, the front of the anterior coxæ, the sides of the mesosternum, and a broad transverse space at the base of the abdomen, covered with greyish, spongy pubescence ; the mesosternum subcarinate along the centre ; the metasternum broadly convex.

Much more slender than *P. meliusculus*, with an obvious neck, &c. *P. citimus*, the only other near ally, is at once differentiated by its simple thighs.

Length, 1 ; breadth, nearly  $\frac{3}{8}$  line.



Capleston. Named in honour of its discoverer, Mr. A. T. Cavell, to whom I am indebted for many interesting beetles.

2463. **P. sulcicollis**, *n.s.* *Slender*, elongate, narrowed anteriorly, shining, nearly glabrous, chestnut-red, legs red, the tarsi, antennæ, and palpi somewhat fulvescent.

*Head* elongate, the anterior half almost abruptly narrower than the posterior, distinctly, but finely and closely, sculptured; the tubercles are somewhat flattened backwards, and the intervening channel, when viewed sideways, does not appear to extend beyond them; behind that point there are two foveæ which seem to extend forwards along the outside of the tubercles; the hinder portion is more convex, with a groove along the middle. *Eyes* seemingly obsolete; what I take to represent them are only smooth dark specks, situated at the sides and front of the broader part of the head. *Maxillary palpi* slender and elongate, the second joint thickened apically, the terminal basally, but in a less degree, the club one-fourth of the length. *Antennæ* moderate, the basal joint nearly half the length of all the others taken together; second nearly as stout, about one-fourth the length of the first; fifth and sixth slightly longer than the contiguous ones; ninth and tenth rather small, about as long as they are broad, not one-third wider than the eighth; eleventh large, acuminate, with greyish pubescence. *Thorax* longer than it is broad, narrowed before and behind, the middle very finely sculptured, with a longitudinal groove extending nearly its whole length; the base is apparently truncate, with a transverse depressed space between it and the wing-cases. *Elytra* very much narrowed towards the shoulders; their basal half concave, deeply hollowed in front, the sides, though not really on a higher plane than the hinder portion, appear sharply elevated; the sutural striæ are fine, and the pubescence is very minute. *Hind-body* large, with minute scattered hairs; across the base, however, the pubescence is dense and spongy. *Legs* long, simple; tarsi moderately thick.

*Metasternum* broadly impressed between the distant coxæ; behind these there is a dense mass of yellowish pubescence.

This is, I think, a very curious species. The remarkably long basal joint of the antennæ, and the sulcate thorax, will enable it to be identified.

Length,  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{2}$  line.

Mount Pirongia. Picked out of leaf-mould collected by Mr. A. T. Urquhart; one example only.

### **Bryaxis** (Gen., p. 124).

2464. **B. conspicua**, *n.s.* *Shining*, nearly glabrous, pitchy-red, elytra chestnut-red, legs paler, tarsi yellowish.

*Head* with two interocular foveæ, the forehead uneven and depressed. *Thorax* rather longer than it is broad, widest near the middle, somewhat compressed laterally behind but not distinctly foveate, the base finely margined. *Elytra* longer than broad, slightly narrowed near the shoulders, the sutural striæ fine. *Hind-*

*body* rather short, deflexed, its pubescence inconspicuous. *Legs* of moderate length, the posterior tibiae a little bent, and arcuate near the extremity.

*Antennæ* 10-articulate, the two terminal sculptured, and bearing short but very evident yellow hairs; basal joint stout, longer than the second; joints 3-6 gradually yet only slightly thickened, the fifth slightly broader than the others, but not appreciably longer; seventh and eighth transverse, the eighth very short; ninth very large, its base truncate, the outside gradually dilated so that its extremity forms an obtuse angle, the apex oblique, twice as wide as the base, on the inner and lower surface there is a hook-like appendage; tenth about twice as long as it is broad, its inner face in line with that of the ninth, on the outside towards the base it is somewhat narrowed, so that an elongate gap exists at that side between the two last joints.

*Prosternum* incurved and somewhat concave in front; the *metasternum* broadly depressed along the middle; the basal segment with two obtuse distinct tubercles behind, the apical segment impressed or flattened, the intermediate ones short; the front *coxae* with small spines.

♂. Length, nearly  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{4}$  line.

Hunua Range, Maketu. Ten males.

Obs.—Female. *Antennæ* with the fifth joint rather larger than the contiguous ones, but little longer than broad; ninth twice the bulk of the eighth; tenth nearly twice as large as the ninth; eleventh largest; the three terminal joints more obviously pubescent than the preceding ones. I believe this form to be the female, but I am not quite sure.

2465. **B. costata**, *n.s.* *Nitid*, piceo-rufous, elytra red, legs paler, tarsi and palpi yellow, the surface nearly nude.

*Head* nearly plane in front, with two small interocular foveæ. *Thorax* widest near the middle, its sides flattened behind. *Elytra* longer than broad, a little narrowed towards the shoulders, with distinct sutural striæ. *Hind-body* with fine greyish hairs.

Male. *Antennæ* ten-jointed, basal joint rather longer and thicker than the second; third and fourth equal, small, moniliform; fifth and sixth distinctly larger; seventh quite transverse; eighth still more so, very short; ninth twice as broad as it is long, its base curved towards its acute outer extremity (apex), the front slightly incurved; tenth also large, its point of articulation, near one side, consists of a slender stalk; these two enlarged joints are sculptured and hairy, they extend laterally, and can be nearly closed together like shears.

*Prosternum* deeply emarginate. Anterior *coxae* with spines. *Metasternum* moderately broadly depressed. *Abdomen*, basal segment, with two obvious costæ extending from the base to the apex, convergent in front, these represent the usual tubercles; the last segment flattened, and with a small depression, the others short.

Female. Colour darker. *Antennæ* with the second joint nearly as large as the first; third and fourth small; fifth larger than the contiguous ones; eighth and ninth transverse, the latter the larger; tenth twice as large as ninth, also transverse; eleventh largest. *Underside* simple, *metasternum* convex.

Differs from *B. conspicua* in having smaller and less prominent eyes, stouter legs, differently-formed antennæ, &c. The abdominal costæ are distinctive. No. 1347 is also closely allied; it has the ninth and tenth antennal joints more transversal, and not exactly of the same shape.

Length,  $\frac{3}{4}$ ; breadth, nearly  $\frac{3}{8}$  line.

Riccarton Bush, Christchurch. Five specimens were placed at my disposal by Mr. Suter. This and *Tyrus spinipes* are the only species of *Pselaphidæ* as yet found in Canterbury east of the mountains.

232. **B. platyarthra.** *Body* nearly glabrous, shining, dark-red, the legs, elytra, and antennæ paler, tarsi and palpi fulvous.

*Head* depressed between the antennal tubercles, the foveæ of the vertex small or indistinct. *Thorax* but little longer than broad, widest at the middle, the sides behind flattened, but not obviously foveate. *Elytra* large, slightly narrowed near the shoulders, with fine sutural striæ. *Abdomen* short, deflexed, with fine greyish pubescence.

Male. *Antennæ* ten-jointed, the basal joint longer and thicker than the second; third longer than the small fourth joint; fifth rather longer than sixth; seventh and eighth small, subquadrate; ninth very large, much prolonged outwardly, this external portion not more than half the length of the other, on the inner face it is deeply notched, and has also a cavity at that point, there is an indistinct suture between the basal portion and the transversely-enlarged part, showing that the almost complete ankylosis of the ninth and tenth joints has taken place; tenth joint short, subconical, one-half the width of the preceding one; these large terminal joints are asperate, and bear obvious yellow hairs.

Anterior *coxæ* distinctly spined; *metasternum* slightly impressed; basal segment of the *abdomen* large, with two small tubercles, the last segment simple, the others short.

Distinguishable by the structure of the ninth joint of the antennæ.

♂. Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Tairua, two males; Hunua Range, one. The name *B. clavata* having been used before, I now rename and redescribe the species No. 232.

236. **B. mundulus.** *Shining* rufescent, the head and thorax usually darker than the elytra, tarsi yellow; nearly nude.

*Head* with indistinct interocular foveæ. *Thorax* not much longer than broad, widest just before the middle. *Elytra* large, slightly narrowed near the base, the sutural striæ distinct but fine. *Hind-*



*body* short, deflexed, with some fine pallid hairs. *Tibiæ* a little bent.

Male. *Antennæ* ten-jointed; basal joint larger than second; third and fourth small and nearly equal; fifth broader than the contiguous ones, and longer than the small sixth joint; seventh transverse; eighth very short, slightly broader than the seventh; ninth and tenth very large, distinctly pubescent and minutely roughened, of about equal breadth, both oblong, the ninth rather shorter than the tenth, slightly curvedly narrowed towards its base.

*Metasternum* broadly depressed; basal segment of the *abdomen* with two distinct, but not acute, tubercles, the terminal segment broadly impressed.

Female. *Antennæ*, joints 8–10 transverse, tenth larger than ninth; eleventh large, oblong-oval.

Tairua, and the Hunua Range. Twelve males, one female.

♂. Length, nearly  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{4}$  line.

The name *B. mundus* being preoccupied by a Japanese species, the above description and name are substituted.

243. **B. fulvitaris.** *Shining*, rufescent, elytra pale-red, but not as pale as the legs, tarsi fulvous; surface nearly glabrous.

*Head* with two interocular foveæ, depressed and uneven in front. *Thorax* nearly as broad as it is long, widest near the middle, impressed at each side behind. *Elytra* with fine distinct sutural striæ. *Abdomen* short, with pale pubescence.

Male. *Antennæ* ten-jointed; first joint larger than second; fourth small, bead-like, shorter than third; fifth distinctly longer than the preceding two, one-half longer than it is broad; sixth and seventh evidently broader than the fifth, transverse; eighth very short and transverse; ninth joint very large, oblong, with a fovea-like cavity near one side underneath; tenth subcordate, only about half the size of the ninth.

*Coxæ* (anterior) with minute slender spines; *metasternum* only moderately, or feebly, impressed; basal segment of the *abdomen* with two minute obtuse tubercles near the apex, the apical segment flattened.

This is certainly closely allied to *B. impar*, but it is nevertheless distinct.

♂. Length,  $\frac{5}{8}$ ; breadth,  $\frac{1}{4}$  line.

Tairua, and Hunua Range. The female is similar to that of No. 239. I redescribe this species, as its original name (*B. sanguinea*) had been applied previously.

### Sagola (Gen., p. 134).

2466. **S. macronyx**, *n.s.* *Shining*, red, elytra and legs reddish-yellow, pubescence yellow.

*Head* moderately narrowed in front of the prominent eyes, rounded behind; interantennal groove deep, extending to beyond the back part of the eyes, there are two small foveæ near the hind

margin; antennal tubercles prominent, nearly contiguous. *Thorax* cordate, with a large impression behind the middle, a small fovea near each basal angle, and a large depression at each side. *Elytra* longer than broad, widest behind the middle, apices subtruncate; with well-marked sutural striæ and intrahumeral impressions. *Hind-body* as long as elytra, with conspicuous hairs, its first exposed segment covered with minute yellowish scales or setæ, the third rather longer and broader.

*Antennæ* with slender erect hairs; first joint twice the length of the second; third very small; 4-7 nearly alike, each narrowed towards the apex; eighth strongly transverse, distinctly broader than the preceding or following joints; eleventh rather small.

*Legs* robust; anterior *femora* very thick, broadly impressed in front, finely fringed underneath; the *tibiæ* very strongly curved, the basal half slender, the other half about twice as broad, almost abruptly thickened, so that they appear bent near the middle on the inside. Intermediate *tibiæ* moderately slender, slightly arched externally, ciliate near the extremity. Posterior *femora* as thick near the end as they are at the middle; the *tibiæ* nearly straight inwardly, but very much dilated and arcuate medially on the outside, impressed near the extremity; *tarsi* a good deal thickened towards the apex, and provided with enormous claws, as large as the *tarsi* themselves, they are of unequal thickness, the front ones the stouter.

*Underside* pubescent. The *head*, from the mentum to near the back, deeply hollowed along the middle, the cavity with sharp edges, its apex incurved; there is another cavity near each side, the intervals are pubescent. *Metasternum* convex. Third ventral segment impressed behind, the fourth with a narrow depression along the middle.

There is only one species like this, *S. notabilis*. When the two are placed side by side it will be seen that *Sagola macronyx* has a narrower head; the basal joint of the antennæ is longer, and the eighth is obviously broader; the palpi are more slender; the front thighs are broader near the extremity; and the form of the anterior *tibiæ* is different, those of *S. notabilis* being of nearly equal thickness throughout, and not in the least angulate or bent above the middle.

♂. Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Maketu, Hunua Range. I have been unable to find more than one of this wonderful little creature.

2467. *S. mimica*, n.s. *Nitid*, red; elytra, legs, and palpi fulvous; pubescence slender, yellow, but intermingled with long erect hairs, most conspicuous on the hind-body.

*Head* nearly the width of the thorax, its hind angles moderately prominent, but not directed backwards; frontal groove narrow, not extending further back than the middle of the eyes, there are two foveæ behind. *Antennæ* distinctly pilose; their basal joint equals the following three (conjunctly) in length; second oblong-oval; third

small, but longer than it is broad; 4-6 subequal, each longer than broad; 7-10 become shorter, and rather broader. *Thorax* cordate, with a large impression behind the middle, two small foveæ near the base, and a large impression at each side, behind the middle, within this lateral impression there is a small fovea, near the angle. *Elytra* oblong, their posterior angles rounded; the sutural striæ are well marked, the intrahumeral impressions appear more or less interrupted. *Hind-body* not larger than the elytra, slightly infusate, its first visible segment finely sculptured, with minute scales near the base, the extremity with short hairs as well as the ordinary pubescence; second and third segments equal. *Legs* simple.

*Underside* of head with a transverse depression behind the mentum. Anterior *trochanters* acutely prominent. Fifth ventral segment with two minute tubercles.

This comes near *S. major*. After a careful comparison with its nearest allies, Nos. 1157, 1573, 1576, and 1875, I find it is distinct.

♂. Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Hunua Range, Clevedon. One example, from Mr. Munro.

OBS.—I possess about a dozen specimens which cannot be referred to described species; but, as they appear to be females, and as they do not exhibit well-marked differentiating characters, I leave them without specific names for the present. The genus will ultimately comprise a great many species, and, as they are already very difficult to distinguish from one another in many cases, I hope next winter to draw up a table, or key, that will facilitate their discrimination. On attempting this work during the present season I found that more examples of the male sex were needed: some of these I expect to find during the year.

2468. **S. robusta**, *n.s.* *Robust*, shining, red; elytra, legs, and palpi fulvous.

*Head* large, nearly the same width as the thorax, just a little narrowed behind the eyes; sparingly clothed above with slender, decumbent, yellow hairs, those on the genæ more conspicuous; the distinct frontal channel is expanded behind the tubercles but becomes linear on the vertex, on the back part there are two broad impressions; the tubercles are flat, and approximate in front. *Thorax* about as long as it is broad, widest before the middle, very much contracted posteriorly, the base only half the breadth of the middle; there is a fovea on the middle, near the base, a smaller one near each hind angle, and a longitudinal lateral impression which causes the side, near the middle, to appear swollen; its pubescence is like that of the head, but there are coarser hairs on the sides. *Elytra* broader than long, wider than the thorax, considerably narrowed towards the base, apices subtruncate; they are obsoletely punctured, the sutural striæ are broad and deep, the intrahumeral impressions are rather short, deep, and entire, there are no distinct plicæ, and they appear as if transversely depressed before the middle; the pubescence is rather coarser and longer than that



on the thorax. *Hind-body* longer and broader than the wing-cases, the golden hairs most conspicuous on the third segment. *Legs* robust; the intermediate *femora* are distinctly notched, and broadly grooved below, the grooves have sharp edges, the others are less evidently notched and grooved; front *tibiæ* with bright fulvous pubescence near the extremity, the posterior rather more strongly arched, and thicker, than the middle pair; *tarsi* pubescent, the two basal joints short, conjointly only half the length of the third, claws moderately large.

*Underside*: Abdomen with six segments, the three basal equally large, convex, with conspicuous fulvous hairs; fourth and fifth flatter, their pubescence finer, fifth much incurved behind; sixth short and broad.

*Antennæ* with outstanding pubescence, red, first joint nearly the length of the next four taken together, cylindric; 2-4 rather longer than broad, third evidently smaller; 5-8 about as long as broad, bead-like; ninth and tenth transverse, but hardly broader than the preceding one; eleventh ovate, with a distinct false apical joint.

*Palpi* (maxillary) with large terminal joints, the apical appendage aciculate, as in the genus *Bembidium*.

A large and beautiful species, nearly allied to *S. pulcher*. It has a broader head, not perceptibly rounded and narrowed behind, the eyes are not quite as large as in that species, and are placed further forward.

♂. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Hunua Range, near Drury. One male, taken off the underside of an old log.

2469. *S. laminata*, n.s. *Shining*, red; elytra, legs, and antennæ fulvous; tarsi and palpi yellowish; pubescence yellow, elongate and slender for the most part, but near the sides and on the hind-body the hairs are coarser and more erect.

*Head* as broad as the thorax, the genæ short and nearly straight, posterior angles obtuse, the back part not curvedly narrowed; it is indistinctly punctured, the channel between the slightly-elevated tubercles is narrow, it is expanded behind but does not extend as far as the back of the eyes, the two foveæ on the hind part are sulciform. *Thorax* cordate, behind the middle there is a large foveiform impression, there are two small foveæ near the base, the lateral impression extends from the middle to the basal angle. *Elytra* about one-fourth longer than broad, a little narrowed before the middle, base slightly sinuate, so that the sutural region is a little, obtusely, prominent; the sutural striæ are broad and deep, and punctiform at the base, the intrahumeral impressions are deep, and usually consist of a basal, fovea-like, and a longer posterior depression; punctuation indistinct. *Hind-body* about the same size as the elytra, the basal segment very short, 2-4 each slightly longer than the preceding one, second much depressed at the base and with minute brassy scales across the middle. In some cases the short basal segment is retracted so that there appear to be five segments only.

*Antennæ* pubescent, basal joint nearly the length of the next three; second only slightly longer than broad, rounded; third small; 4-6 longer than broad; seventh and eighth subquadrate; ninth and tenth rather broader than long; eleventh conical, with a short false terminal joint.

*Underside* shining, pale chestnut-red; pubescence slender, elongate, and depressed, much longer and paler on the apical ventral segment. *Abdomen* with the basal segment apparently depressed, from the middle of the hind margin a slender spiniform process extends towards the coxæ; the three following are nearly equal; fifth large, its apical portion much narrowed, without any visible suture between it and the broad basal portion, so that only five segments can be seen. The *head*, behind the mentum, has a sort of lamina; this is gradually raised backwards, and is fringed with conspicuous golden pubescence. The hind *coxæ* have sharp inner edges.

Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Maketu, Hunua Range. Five examples. The lamina on the underside of the head will lead to its identification.

2470. ***S. immota***, *n.s.* *Rufous*; elytra, legs, and antennæ fulvescent; palpi and tarsi yellowish.

This species is very much like *S. laminata*. The *head* is smaller and narrower; the frontal channel extends a little further back, and the tubercles are more approximate. The *elytra* are shorter, subquadrate. The fourth and fifth joints of the *antennæ* are longer than broad; joints 6-8 are narrowed apically.

*Underside* reddish, abdomen paler, coxæ rather dark. The *head*, between the mentum and the back part, has a distinct transverse depression, the yellow decumbent hairs are directed outwards, there is no fringe.

In one example the fifth ventral segment is somewhat produced in the middle, and the sixth is apparently concave but covered with pubescence. This may be the male.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Maketu. Six individuals. During nearly twenty years of careful search for species of *Sagola*, I have not met with more than one or two specimens of a species until lately.

2471. ***S. flavipes***, *n.s.* *Shining*; head, thorax, and antennæ pale-red; elytra and legs yellow; pubescence yellow; elongate and slender, coarser and longer on the wing-cases and hind-body.

*Head* large, as broad as the thorax, its sides, behind the eyes, regularly rounded; it is rather flat on the middle, the central groove is broad and deep and extends almost to the extreme base, there are no foveæ; the tubercles are raised and almost connate in front. *Thorax* cordate; it has two small basal foveæ, a central one further forward not as large as usual, and a large one at each side. *Elytra* quadrate, a good deal narrowed towards the shoulders; the sutural and intrahumeral impressions are entire, well marked, and not foveiform at the base; their surface is more or less punctate or

rugose. *Hind-body* as broad as the wing-cases, longer, with sub-equal segments, without short hairs or minute scales. *Legs* stout, the anterior *femora* with a deep semicircular excision near the base, the notch with fine spiniform angles; the intermediate *tibiæ* distinctly, but not strongly, bent near the extremity, with conspicuous pubescence there, the posterior more slender, less bent, arched externally.

*Antennæ* stout, first joint elongate, red, third small, the others do not differ materially, they are gradually thickened. Palpi with thick terminal joints.

*Underside*: *Head* with a very large, pubescent, transverse depression behind, the middle of this, in front, is apparently acutely produced and minutely ciliate, the space behind the mentum is flattened, the sides are a little convex and smooth, the pubescence being near the outside.

♂. Length, nearly  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Maketu. Allied to *S. sulcator*.

2472. *S. elongata*, n.s. *Elongate*, rather narrow; pubescence yellow, elongate, coarser behind; dark-red; elytra, legs, and antennæ pale-red, tarsi and palpi fulvous.

*Head* nearly as broad as the thorax, the sides behind the eyes nearly straight, posterior angles rounded; the frontal channel barely reaches as far as the back of the eyes, there are two elongate impressions behind, it is not distinctly punctured; there is a short, broad, smooth neck; the tubercles are rather flat and are separated by a fine groove. *Thorax* cordate, with the common foveæ, the lateral not very large. *Elytra* rather longer than broad, narrowed before the middle; the sutural striæ and basal impressions are well marked, entire, and not punctiform at the base. *Hind-body* as broad as the elytra, much longer, with four marginated, horizontal segments, the second and third are somewhat piceous near the apex, the basal one is flat, its sides and apex are covered with minute, brassy scale-like setæ, on the middle the scales are indistinct, the second is shorter than the third, the fourth longer than the fifth, fifth and sixth paler, much narrowed behind, sixth very narrow. Posterior *tibiæ*, near the outer extremity, slightly narrowed, with fine bright pubescence there.

*Antennæ* with joints 2-4 rather longer than broad, 5-7 bead-like 8-10 transversely quadrate, broader than the others.

*Underside*: *Head* with a transverse flattened space behind the mentum, the broad basal portion on a higher plane. *Abdomen* with six elongate segments, the basal, in the middle, with an acutely projecting process in front.

The narrow elongate form, distinct neck, and long hind-body are distinguishing characters.

Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Karaka, near Drury. One, of uncertain sex, found amongst decaying leaves of *Phormium tenax*.



2473. *S. gracilis*, *n.s.* *Slender*, very elongate and narrow, shining, pale chestnut-red, legs and antennæ obscure-yellow, tarsi and palpi yellow; pubescence pale-yellow, mostly slender and decumbent.

*Head* quite the width of the thorax, evidently longer than it is broad, widest near the obtuse basal angles, gradually narrowed anteriorly; it has two small foveæ behind, and a short frontal channel. *Eyes* very small, flat, situated at the lower part of the sides. *Thorax* nearly twice as long as it is broad, not cordate, widest near the middle (but not conspicuously so), more gradually narrowed behind than in front; on the middle, near the base, there is a transversal impression, there is a small fovea at each side, and a minute one near each hind angle; between its base and the elytra there is a sort of neck which is densely and minutely sculptured. *Elytra* quadrate, and, therefore, comparatively small; the sutural striæ and intrahumeral impressions entire and well marked. *Hind-body* twice as long as the elytra, quite as broad, nearly horizontal throughout, with a few erect hairs, the three basal segments margined, the third rather broad and much longer than the second, which, again, is larger than the first, fourth large, obliquely narrowed, the fifth narrow, retractile, and but little exposed. The *legs* are long but not slender; the front and middle tarsi are short and thicker near the extremity than they are at the base. The *palpi* are short and thick.

*Antennæ* shorter than the head and thorax, gradually, but distinctly, dilated towards the extremity; they are inserted below and quite in front of the tubercles, and, consequently, more approximate than in *Sagola*; first joint cylindric, twice as long as the second, which is rotundate; third small; 3-6 more or less moniliform, each slightly shorter and broader than the preceding one; 7-8 nearly equal; ninth and tenth very short and transverse; eleventh transverse, broader than tenth, with a small false apical joint marked off by a fringe of fine pubescence.

*Underside: Abdomen* composed of six segments, the third nearly twice the length of the fourth or fifth, the suture between these two curved and indistinct, sixth conical, half the width of the fifth. Posterior *coxæ* prominent, contiguous near the front.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{1}{8}$  line.

Mount Pirongia. One, picked out of leaf-mould brought by Mr. A. T. Urquhart. This species, I have no doubt, represents a new genus intermediate between *Sagola* and *Exeirarthra*.

### **Exeirarthra** (Gen., p. 1054, Part V.).

2474. *E. pallida*, *n.s.* *Elongate*, narrow, shining, pale reddish-yellow, the legs and palpi still paler; pubescence elongate, decumbent, yellow, mostly slender.

*Head* small, narrower than the thorax, the genæ not contracted posteriorly, with obtuse hind angles; it has two well-marked, not widely distant, interocular foveæ, the frontal channel is short, and the surface, apparently, is finely punctured; *tubercles* con-

tiguous; *eyes* large and prominent. *Thorax* about as long as it is broad, widest near the middle, oviform; there are three small foveæ near the base united by a linear impression, and a foveiform depression at each side behind the middle. *Elytra* much longer than broad, slightly narrowed before the middle, indistinctly punctate; the sutural striæ and intrahumeral impressions well developed, these later interrupted. *Hind-body* quite the width of the wing-cases, the four basal segments nearly horizontal, the fourth less obviously margined than the others; third longer than second; first shorter, with minute sculpture or scales, along the extremity the hairs are rather long; fifth obliquely contracted, not prolonged.

*Antennæ* longer than the head and thorax, rather slender; first joint large, thicker near the base than at the apex; joints 2-6 become a little shorter and slightly broader, each longer than broad, the third small; seventh and eighth rather longer than broad, narrowed towards the base; ninth and tenth similar to the preceding two in shape but shorter and broader, not transverse; eleventh larger than tenth, with a false apical joint.

*Tarsi*, anterior, with a broad, lobate second joint.

*Underside*: Penultimate ventral segment medially emarginate.

Like the typical species (No. 1885). The coloration and antennal structure different, elytra longer, the hind tarsi rather longer and more slender.

Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Maketu, Hunua Range. One individual only.

### **Euplectus** (Gen., p. 139).

2475. **E. lævifrons**, *n.s.* *Rufescent*, shining, elytra not so dark, legs and antennæ red, tarsi and palpi fulvous; moderately thickly covered with yellowish pubescence, the hairs on the thorax very slender but not very short, those on the elytra and abdomen conspicuous and mingled with longer erect ones.

*Head* subovate, narrowed behind, not distinctly punctate; antennal tubercles large, much elevated, somewhat laterally compressed, widely separated; the two large foveæ on the vertex extend beyond the back part of the eyes, they are prolonged forwards and converge, the frontal depression is broad and polished; the vertex is convex, with a small angular impression behind. *Eyes* coarsely faceted and prominent. *Thorax* rather broader than it is long, cordiform; at each side, behind the widest part, there is a large fovea, there is another on the middle near the base, all three are united by a curved impression, the median furrow is rather fine and does not reach the front. *Elytra* oblong, somewhat narrowed near the shoulders; their sutural striæ well marked and foveiform at the base, there is another elongate broad impression on each elytron, which is marked off from the shoulder by a distinct plica. *Abdomen* slightly narrower, sometimes longer, than the elytra; the first segment with a large transverse depression at the middle of the base. *Legs* stout.

*Antennæ* pubescent, the first joint evidently larger than the

second; third rather shorter and narrower; joints 4-8 bead-like, the fifth a little larger than the others; ninth rather larger than the eighth; tenth transverse, larger than the ninth; eleventh large, quite acuminate.

*Underside*: Basal segment of the abdomen densely fringed behind, in front with a triangular projection between the coxæ; second with a broad triangular elevation on the middle; fifth short in the middle, subcarinate behind, so that the sixth seems flattened or depressed behind the carina.

Fem. *Abdomen*, segments 2-5 about equal.

The remarkable antennal tubercles, and the broad polished frontal depression, distinguish this from all the other *Euplectini*. I do not, however, deem it necessary to make a new genus for it at present.

♂. Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{3}{8}$  line.

Maketu, Hunua Range. Three examples.

2476. **E. spinifer**, *n.s.* *Shining*, red, elytra and legs paler, tarsi and palpi yellowish; moderately densely clothed with short yellow hairs.

This species somewhat resembles *E. levifrons*, but the antennal tubercles are thicker, flatter, and more convergent in front. The *thorax* has an almost uninterrupted median groove, the large foveæ at each side has a broad channel proceeding from it towards the front, and there is a depression near the base which connects the lateral and median foveæ.

Male. Intermediate *femora* much incrassate, the *tibiæ* of the same pair with a spiniform angulation on the inside near the apex. *Abdomen*: Basal segment short, covered by the femora; second irregularly curved and densely ciliate behind, angularly prominent at the apex, in the middle; fourth of similar form, but, like the third, depressed in the middle; fifth in the middle, at its base, with a curvate depression, but with a straight median margin behind; sixth large, somewhat flattened, with a transverse impression at the base.

No. 255 is another near ally, but its antennæ are thinner, the legs of *E. spinifer* are more robust, the middle *tibiæ*, and tarsi, are decidedly thicker and more curved externally, and the inner apical angle is more spiniform.

♂. Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{3}{8}$  line.

Maketu, Hunua Range.

2477. **E. munroi**, *n.s.* *Body* only moderately shining; its pubescence distinct, yellow, and decumbent; infuscate-red, tarsi and palpi fulvous.

*Head* broad, subquadrate, indistinctly punctate; antennal tubercles rather broad and flat, piceous, uneven or punctate; the foveæ on the vertex are large, and the frontal space is flattened. The *eyes* are small. *Thorax* as in No. 255, but the lateral foveæ are prolonged forwards for a short distance only. *Elytra* not longer



than broad, the sutural striæ and intrahumeral impressions are broad but shallow, and the interstices are not raised so as to form plicæ. *Legs* moderately stout, tibiæ slightly curved outwardly. *Antennæ* rather short, fifth joint a little larger than the contiguous ones, sixth and eighth about equal and bead-like, ninth and tenth evidently larger than the eighth, eleventh large, conical, acuminate.

No. 255 most nearly resembles this species, but the eyes are smaller, the antennal tubercles are not prominent, and the subquadrate wing-cases are not smooth though not distinctly punctured.

Length,  $\frac{7}{8}$ ; breadth, nearly  $\frac{3}{8}$  line.

Clevedon, Hunua Range. Mr. Hugh Munro found this when he accompanied me in the search for insects. I have named the species in his honour.

2478. **E. obscurus**, *n.s.* *Subopaque*, covered with fine short yellow hairs, and a few outstanding slender elongate ones; fusco-rufous, legs and antennæ pale-reddish, palpi and tarsi yellowish.

*Head* narrowed towards the front, rounded behind the eyes, rather closely and distinctly punctate; the foveæ on the vertex very shallow and not at all conspicuous, the frontal groove broad. *Eyes* convex. *Palpi* (maxillary) with the terminal joints thick, almost securiform-oval. *Antennæ* short, second joint oviform, evidently smaller than the first; 3-9 moniliform, the ninth not twice the size of the eighth; tenth transverse, broader than the ninth; eleventh large, acuminate. *Thorax* rather broader than long, much rounded, obviously and moderately closely punctured; near the base there is a curved impression, the dorsal groove though broad is not very deep, and there is a longitudinal impression at each side. *Elytra* subquadrate, slightly asperate; besides the broad sutural striæ, there appear to be three or four other striæ on each elytron when examined from the side, and these seem to be separated by slightly-raised intervals. *Hind-body* indistinctly sculptured, as broad as the wing-cases. *Legs* moderate, tibiæ curved externally, posterior tarsi slender.

*Underside* shining, sparsely pubescent. *Metasternum* convex. *Abdomen*: Basal segment concealed by the femora; the second obtusely raised at the middle and angularly produced backwards, on each side of the angulation there is a shallow transverse impression; the third has a curved median depression, and at each side of this there is a larger impression than that on the second; terminal segment large.

In No. 1892 the punctures on the head and thorax are more distinctly separated, the basal thoracic impression is deeper and more foveiform at the middle, the body is larger, its pubescence is longer. *E. opacus* has different impressions on the head.

**VAR.**—*Elytra* with two broad striæ on each. Although treated as a variety just now, I feel pretty sure, when both sexes are available, that it will be found to be a distinct species.

♂. Length, nearly  $\frac{3}{4}$ ; breadth, nearly  $\frac{1}{4}$  line.

Maketu, Hunua Range. Eight examples.

2479. **E. coxalis**, *n.s.* *Body* infusate-red, moderately shining, densely clothed with short yellow hairs, but with some scattered elongate ones also, legs and antennæ pale-red, tarsi and palpi fulvescent.

*Head* distinctly and closely punctured, the foveæ on the vertex indistinct, the frontal channel broad and flat. *Eyes* small. *Thorax* rather broader than long, with rounded sides, sculptured like the head; the dorsal groove broad and foveate behind, there is a fovea at each side. *Elytra* subquadrate, a little narrowed towards the base, not smooth; the sutural stria on each is broad, and there is another broad one beyond it, the interstices are slightly raised. *Hind-body* of the same breadth as the elytra at the base, narrowed apically. *Legs* stout, tibiæ arched on the outside, the posterior a little stouter and more arcuate than the intermediate.

*Underside* shining, red, with decumbent yellow pubescence. *Front coxæ* prominent, trochanters spined. *Metasternum* convex. *Abdomen* convex along the middle; the second segment, on the middle, with a transverse elevation, the top of which, however, is flat; the third also is moderately elevated, but towards the sides is broadly impressed; the fourth and fifth are nearly nude, and quite glossy, the latter has a large and rather deep impression towards each side.

Very much like *E. obscurus*; the male characters, however, are essentially different.

♂. Length, nearly  $\frac{3}{4}$ ; breadth, nearly  $\frac{1}{4}$  line.

Maketu, Hunua Range. Three males.

2480. **E. inscitus**, *n.s.* *Elongate*, subparallel, subopaque, punctate; obscure-red, legs and antennæ paler, tarsi and palpi yellow; pubescence short, conspicuous, yellow.

*Head* not at all short, much narrowed anteriorly, obtusely prominent behind the eyes; closely and distinctly punctured, without well-marked foveæ or frontal channel. *Palpi* rather thick, the apical joint (maxillary) ovate. *Thorax* longer than it is broad, oviform, its punctuation like that of the head; the lateral, basal, and median impressions shallow. *Elytra* rather longer than broad, appearing as if they are finely punctured, the sutural striæ broad, the intrahumeral also broad but abbreviate. *Hind-body* about of the same size as the elytra, the third segment with a slight, obtuse, raised spot behind, at the middle. *Legs* stout, the anterior femora rather thicker than the others; the tibiæ arched externally, the intermediate, at the inner extremity, with a short, straight prolongation; tarsi rather short.

More or less allied to Nos. 262, 1649, 1650, 1887, and 1898, with each of which it has been compared.

*Antennæ* rather short, second joint oviform, not quite so large as the first; 3-8 very small and bead-like, hardly as long as they are broad; ninth twice the size of the eighth; tenth still broader, transverse; eleventh large.

Length,  $\frac{5}{8}$ ; breadth, quite  $\frac{1}{8}$  line.

Maketu, Hunua Range. Several, apparently without good distinguishing sexual characters.

2481. **E. iracundus**, *n.s.* *Body* moderately elongate, not slender, shining; pubescence pale-yellow, mostly slender; red, elytra and legs paler, antennæ fulvescent, palpi and tarsi yellow.

*Head* rather narrower than the thorax, the sides behind the eyes straight, rather coarsely punctate, without distinct depressions. *Thorax* longer than broad, oviform, its punctuation more distinct at the sides than on the disc, the dorsal groove is broad but short, there is an elongate impression at each side, and a transverse depression near the base. *Elytra* slightly longer than broad, narrowed before the middle; the sutural striæ are distinct, the intrahumeral impressions are broad but not elongate. *Hind-body* short, curvedly narrowed behind, the basal segment on the middle, in front, with a transverse depression. *Legs* moderately long and slender; tarsi with the second joint longer and thicker than the third.

*Antennæ* moderate; second joint rather smaller than the first; 3-8 small and moniliform, scarcely differing; ninth about twice the size of the eighth, subquadrate; tenth transverse, broader than ninth; eleventh much acuminate.

*Palpi* (maxillary) with nearly securiform-ovate terminal joints. *Eyes* apparently very small and flat when looked at from above, larger below. *Tubercles* of medium size.

There is not much resemblance between this and the other *Euplectinii*. The form and sculpture of the head will lead to its identification.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{1}{4}$  line.

Maketu, Hunua Range. One—the female, I think.

2482. **E. caudatus**, *n.s.* *Elongate*, not slender; uniform red, legs and antennæ paler, palpi and tarsi yellowish; pubescence short and slender, but longer and denser on the hind-body.

*Head* obliquely narrowed anteriorly, the genæ nearly straight behind the moderately small convex eyes; its surface subopaque, with fine sculpture, the vertex not very convex, and projecting between the foveæ. *Thorax* cordiform, gradually narrowed behind the middle; not distinctly punctured, with a short, rather indistinct, median impression, the three basal foveæ united by a linear transverse depression. *Elytra* subquadrate, their sutural striæ broad and deep, the intrahumeral rather short. *Hind-body* as broad as the wing-cases at the base, the basal segment a little larger than the second, both broadly margined, third abruptly narrower than the preceding one, the terminal two little more than half the width of the third, still narrower at the extremity, quite exposed and nearly horizontal. *Tibiæ* arched outwardly, the intermediate more so than the posterior. *Tarsi* with the third joint much shorter than the second.

*Antennæ* pubescent, second joint longer than the exposed part of the first, third longer than broad, fifth and seventh broader than the sixth or eighth, ninth not twice the size of the small eighth, tenth transverse, eleventh large, pointed.



Male. *Underside* red, finely pubescent. *Metasternum* evenly convex. *Head* with a fovea-like impression behind. *Abdomen* with the first segment covered with golden pubescence, but concealed by the femora; second largest; fourth strongly incurved behind, its sides about twice the length of the middle, with a minute indistinct elevation behind; fifth extremely short and strongly curved; sixth elongate, narrow, and attenuate, with a small apical appendage.

Fem. *Abdomen*: Fourth segment truncate behind, fifth nearly so, sixth short.

*E. acuminatus* is the only species at all similar to this. It differs in being smaller, and by the interocular foveæ not being prolonged forwards. The antennal tubercles are widely distant in both species. They will probably be associated in a distinct genus.

Length,  $\frac{3}{4}$ ; breadth, nearly  $\frac{1}{4}$  line.

Maketu, Hunua Range. The male was found at Clevedon by Mr. Munro after I had described the female; the description therefore has been rewritten.

2483. **E. claviger**, *n.s.* *Elongate*, subparallel, subdepressed, shining, clothed with fine yellow hairs; chestnut-red, legs and antennæ fulvescent.

*Head* broad behind, seemingly impunctate; there are two small foveæ in line with the front of the eyes, and a short linear impression on the back part of the vertex. *Thorax* rather longer than broad, widest near the middle, with a depression near the base from side to side. *Elytra* oblong, sutural striæ broad and deep at the base, intrahumeral impressions elongate. *Hind-body* as broad as the elytra, the three basal segments marginated, the first and second about equal.

*Antennæ* about the length of the head and thorax; second joint nearly as long as the first, longer than broad, with rounded sides; 3-9 small; tenth transverse, about twice the size of the ninth; eleventh large, ovate.

*Abdomen* with six decreasing segments, sixth subconical. This is another peculiar species; it is not like any other, and may be known by the unusually large terminal joints of the antennæ, which form a sort of club. The *antennal tubercles* are not large, but they are nearly contiguous. It will, no doubt, be separated generically from *Euplectus* when more specimens can be obtained.

Length,  $\frac{1}{2}$ ; breadth,  $\frac{1}{8}$  line.

Maketu, Hunua Range. One example.

OBS.—*Euplectus allocephalus* (No. 1890). I have a variety from Mr. Munro, in which the hind angles of the *head* are prominent; behind each tubercle there is a large, deep, fovea-like depression; there is a transverse impression near the middle, so that the back part and the interantennal portion appear elevated. The front *trochanters* are spiniform. The fourth ventral segment is raised at the apex, the fifth is depressed and very short in the middle. The specimen, received lately, is, no doubt, a male.

**Placodium.***Nov. gen.*

*Head* nearly as large as the thorax, narrowed and somewhat prolonged anteriorly, finely margined in front of the eyes. *Antennal tubercles* absent. *Eyes* moderately large below, not at all prominent above. *Antennæ* inserted below the lateral margins of the forehead, 11-articulate, joints 3-10 transverse. *Tarsi* with the basal joint minute, second longest, with one claw. *Abdomen* composed of six segments. *Palpi* (maxillary) with large subovate terminal joints, third short, second elongate, its basal portion slender, first small.

Two characters distinguish this from *Euplectus*—the absence of antennal tubercles, and the structure of the antennæ.

2484. **P. zenarthrum**, *n.s.* *Subdepressed*, elongate, moderately nitid, rufo-castaneous, the three first dorsal segments infusate, legs and antennæ fulvescent; pubescence slender and decumbent.

*Head* nearly flat, finely, closely, and somewhat rugosely sculptured, not glossy, with two small simple foveæ on the vertex. *Thorax* widest near the middle, only slightly longer than broad, about as much narrowed in front as it is behind; its surface apparently impunctate; there are three foveæ, united by a linear impression, near the base, and an indistinct, rather short, dorsal groove. *Elytra* oblong, their sutural striæ broad and deep, the intrahumeral impressions elongate. *Hind-body*, at the base, as broad as the elytra, each segment slightly but distinctly narrower than its predecessor, the basal three marginated. *Legs* moderately stout.

*Antennæ* stout; first joint short, hardly longer than broad; second rotundate; third much smaller, not half the size of the second, transverse; fourth very short and transverse; fifth transverse, distinctly larger than the contiguous ones; 6-8 each very short, broader than long; ninth and tenth transverse, yet not as broad as the preceding ones; eleventh large, acuminate; the point of articulation not being exactly in the middle of some of the joints, the antennæ appear unsymmetrical.

*Male. Underside*, first abdominal segment concealed by the femora, flat between the coxæ; second nearly twice the length of the third; fourth strongly curved behind, so that its sides are twice the length of the middle; fifth extremely short; sixth large, with a large rounded apical cavity, this is bordered behind by a thin, strongly-curved lamina. Front *coxæ* prominent, exserted, and subcontiguous; the *trochanters* with short cylindrical processes; there is a fovea in front of each of these coxæ. Middle coxæ subglobose, not contiguous, the intervening mesosternal lamina moderately thick. Hind coxæ distinctly separated.

*Sternum* pale reddish-chestnut; abdomen fuscous, except the pale terminal segment; metasternum large, flattened along the middle.

Length,  $\frac{5}{8}$ ; breadth, nearly  $\frac{1}{4}$  line.

Maketu, Hunua Range. One individual only, which I described under the name *Euplectus zenarthrus*. Since then I have received two examples from Mr. Munro. Their examination satisfied me that the species would be better separated from *Euplectus*.

### Group—SCYDMÆNIDÆ.

#### Phaganophana (Gen., p. 146).

2485. **P. russata**, *n.s.* *Red*, basal half of elytra fulvous, tarsi yellow; pubescence yellowish, on the head and thorax rather rough, on the elytra elongate and erect.

*Head* much rounded behind; the frontal portion, about two-thirds of the length, broadly concave. *Eyes* small, prominent. *Antennæ* with pale, long, outstanding hairs; second joint as long as the visible part of the first; 3-5 about equal, a little longer than broad; sixth quadrate, smaller than the contiguous ones; seventh like the fifth; 8-10 broader than the preceding ones, transverse or subquadrate; eleventh large, ovate. *Thorax* longer than broad, a good deal narrowed behind, with two well-marked foveæ near the base, at the middle, and a minute one, as well as a carina, near each side. *Elytra* oviform, with distinct intrahumeral impressions, and a slight sutural depression near the base. *Femora* clavate towards the apex. *Tibiæ* (anterior) bent, densely pubescent along the inner face.

*Underside* reddish, with distinct yellow pubescence. *Prosternum* depressed, densely sculptured, and pubescent in front of the coxæ. *Mesosternum* with a large depression near each side, in front, its process sharply elevated and reaching the middle of the coxæ. *Metasternum* convex.

Very much like *P. setosa*, but the head, antennæ, and sternum are different; the fulvous portion of the elytra is sharply limited.

Length, 1; breadth,  $\frac{3}{8}$  line.

Maketu, Hunua Range. Two.

2486. **P. monilifer**, *n.s.* *Elongate-oval*, shining, rufous, legs and antennæ reddish, tarsi and palpi yellow; pubescence pale-yellow.

*Head* vertical in front, rounded behind, with coarse outstanding hairs near the sides behind. *Eyes* moderate. *Antennæ* elongate, longer than the head and thorax, second joint as long as the exposed part of the first, neither very thick; third, fourth, and sixth nearly equal, distinctly longer than broad; fifth rather larger than the contiguous ones; seventh slightly shorter than fifth; eighth and ninth nearly equal, bead-like, but narrowed apically, and with short, slender apical stalks; eleventh largest, oblong-oval. *Thorax* but little longer than broad, rounded near the front, narrowed behind; with two median foveæ in front of the base, the sides transversely impressed rather than foveate near the hind angles; it is clothed with moderately-coarse hairs. *Elytra* oval, widest at the middle, with two fovea-like basal depressions. Front *tibiæ* a little curved



towards the extremity, on the outside, and distinctly ciliate inwardly; the middle pair with a spiniform process on the inside near the extremity.

This most nearly resembles No. 1903 so far as the antennæ are concerned, but it is otherwise quite different. From the other species, *P. monilifer* may be separated by looking at the laxly-articulated eighth, ninth, and tenth antennal joints.

Length,  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{4}$  line.

Maketu. One only. On the ground amongst leaves.

2487. *P. angulata*, *n.s.* *Robust*, shining, head and thorax piceous; elytra, legs, and antennæ red; tarsi yellow, palpi fulvous; pubescence yellowish.

*Head* convex, rather narrow, the rather coarse hairs are confined to the back part and are directed backwards. *Eyes* prominent. *Antennæ* stout, as long as the head and thorax, with distinct pale hairs; second joint quite one-third longer than the exposed part of the first; 3-6 nearly equal, subquadrate; joints 7-10 considerably broader than the preceding ones, each rather broader than long; eleventh conical; the terminal four loosely jointed. *Thorax* longer than broad, rounded near the front, deeply constricted near the base, so that the posterior angles seem to overlap the shoulders; there are two distinct median foveæ near the base, and a more elongate one near each side with cariniform edges; the side is deeply impressed below; its pubescence is rough-looking. *Elytra* oviform, widest near the middle, with two large rounded depressions at the base, the sutural region is also a little depressed near the base; they bear rather long, erect, but not coarse hairs. *Legs* robust; front *tibiæ* with coarse, bright hairs along the lower half inside, some of these appear spiniform; the intermediate *tibiæ*, on the inside, near the extremity, with a slender spine, and some coarse ciliæ.

*Mesosternum* with a rather large carina, its upper face with fine but distinct pubescence.

Easily recognised by the thick legs, antennal structure, peculiar basal portion of the thorax, and the pubescent mesosternal lamina.

Length, 1; breadth,  $\frac{3}{8}$  line.

Maketu. Two examples. In mode of life similar to the preceding two species.

## Group—SILPHIDÆ.

*Choleva* (Gen., p. 151).

2488. *C. phyllobia*, *n.s.* *Oblong-oval*, covered with fine ash-coloured pubescence, and with a few short erect hairs on the elytra; opaque, piceous, tarsi dark-red.

*Head* trigonal. *Antennæ* hardly as long as the head and thorax, gradually thickened towards the extremity; first joint reddish; seventh hardly longer than broad; eighth small, much closer to the ninth than it is to the seventh apparently, owing to its stalk-like

basal portion; ninth and tenth not longer than broad; eleventh ovate, acuminate. *Thorax* strongly transverse, a little rounded towards the obtuse anterior angles, the base a little bisinuate, posterior angles acute, very slightly directed backwards; with somewhat reticulate sculpture, fine and close. *Elytra* gradually, but only moderately, narrowed posteriorly, with a fine sutural stria on each, densely and very finely transversely strigose. Middle *tibiae* a little curved, the posterior with elongate spurs.

*Underside* piceous, with fine yellowish pubescence, its sculpture fine and close.

About the same size as *C. lugubris*, less attenuated posteriorly, more finely sculptured, the clothing finer, the thorax differently formed, the sides being nearly straight behind and less sinuate at the base, &c.

♀. Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Maketu, Hunua Range. Two, amongst fallen leaves.

2489. **C. monticola**, *n.s.* *Compact*, broadly oval, convex, a little shining; piceous, a large space near each hind angle of the thorax pale-brown, legs pitchy-red, the tarsi, palpi, and five basal joints of the antennæ yellowish, the remaining joints fuscous; pubescence greyish and cinereous, depressed, elongate and slender.

*Thorax* transverse, gradually curvedly narrowed towards the front, base slightly bisinuate, hind angles not prominent; its sculpture fine, not at all close, and rather indefinite. *Elytra* finely and closely transversely strigose, with a fine sutural stria on each not reaching the base. *Tibiae* straight, spinulose externally; the anterior, at the inner angle, with a distinct spiniform process, the posterior with slender and moderately elongate spurs. *Antennæ* as long as the head and thorax; the five basal joints elongate and slender, the others dilated; sixth joint longer than broad, subtriangular; seventh, ninth, and tenth nearly twice as long as broad, loosely articulated; eleventh not larger than tenth; eighth about half the size of the contiguous ones.

Male. Front *tarsi* with the three basal joints a good deal dilated, fifth elongate and slender.

In shape like No. 281; more broadly oval than *C. phyllobia* and its allies, and probably not congeneric.

♂. Length,  $1\frac{1}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Pirongia. One individual, in leaf-mould; Mr. Urquhart.

2490. **C. hunuense**, *n.s.* *Shining*, fusco-piceous, legs pitchy-red, the tarsi and four or five basal joints of the antennæ yellowish, remaining joints infusate.

This species is like *C. monticola*, but is rather more oblong; the sculpture of the *thorax* is very fine and indistinct, and not close; the *elytra* with fine strigose sculpture, but with well-marked sutural striæ. The middle *tibiae* are curved in both sexes. In the male the three basal joints of the front *tarsi* are dilated. The anterior *tibiae* are not spinose at the inner angle.

*Antennæ* with the five basal joints slender and elongate, the sixth though longer than broad is hardly at all wider at the apex than it is at the base; seventh, ninth, and tenth a little shorter and broader, but distinctly longer than broad; eighth joint only about one-third shorter than the seventh, and not much narrower, distinctly longer and narrower than the corresponding joint in *C. monticola*.

Length,  $1\frac{1}{8}$  lines; breadth, quite  $\frac{1}{2}$  line.

Hunua Range. One pair, on the ground, amongst leaves.

### Allocatops.

*Nov. gen.*

*Body* oblong-oval, only moderately convex. *Prosternum* widely and deeply emarginate, the anterior angles touch the eyes. *Meso-sternum* raised in front; the middle coxæ contiguous, but with a small intervening triangular process. *Metasternum* moderate, its anterior part sharply defined, its edge forming the hind margin of the coxal cavities, which extend nearly to the sides. Posterior coxæ distinctly separated. *Epipleuræ* broad at the base, linear behind, their external margin cariniform. *Femora* stout; the tibiæ gradually expanded, on the outer face bearing numerous slender spines, the calcar at the apex of each distinct. *Tarsi* slender, pubescent, five-jointed, with slender claws. *Mentum* transverse. *Palpi* short, the terminal joints longer than the preceding, narrowed towards the extremity. *Antennæ* stout, 11-articulate; the basal two joints cylindrical, the second the shorter; joints 4-6 nearly equal, subquadrate, these much more slender than the opaque, pubescent terminal five; eighth very small, ninth and tenth transverse.

2491. **A. ovalis**, *n.s.* *Glabrous*, shining, pitchy-brown, extremity of elytra paler; the legs, and the six slender basal joints of the antennæ, red, the terminal joints piceous.

*Head* broad, not trigonal; the forehead emarginate, limited by a fine line, which, near the sides, is directed to the eye, the anterior portion yellowish, or membranous. *Mandibles* red, robust, almost wholly exposed. *Eyes* transverse, slightly prominent. *Thorax* broader than it is long, somewhat curvedly narrowed towards the front, lateral margins fine, base and apex subtruncate, the angles obtuse but nearly rectangular, its punctuation fine and rather distant. *Scutellum* small. *Elytra* with fine sutural striæ not attaining the apices, there are also several series of distinct punctures which become obsolete behind; interstices plane, minutely and distantly punctured.

*Underside* shining-brown, and, including the legs, finely and sparingly pubescent.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Moeraki. Mr. Sandager found one mutilated female, which he placed at my disposal.



## FAMILY—TRICHOPTERYGIDÆ.

*Maxillæ* terminating in two lobes. *Antennæ* 11-articulate, elongate, very slender, with long hairs; club three-jointed. *Elytra* either truncate behind or entirely covering the abdomen. *Wings* sometimes rudimentary, usually twice the length of the body, very narrow, consisting of a thin neck and broader lamina. *Coxæ* variable, the anterior globular, prominent, and contiguous; the intermediate oviform, slightly distant; the posterior transversal, rather widely separated. *Tarsi* three-jointed, terminal joint very long, the claws with a long hair in the middle. *Abdomen* composed of five or seven segments.

## Trichopteryx,

*Kirby.*

(*Lacord. ; Hist. des Ins. Coléop.*, Vol. ii., p. 233.)

*Head* large, deflexed. *Eyes* distinct. *Prothorax* large, the width of the elytra at the base, posterior angles distinct and embracing the shoulders. *Scutellum* large. *Elytra* parallel-sided, or a little narrowed posteriorly, moderately truncate at the extremity. *Posterior coxæ* enlarged in the form of a lamina covering, in repose, the femora. *Mesosternum* carinate. *Abdomen*, underneath, with seven segments, the second a little larger than the other subequal ones.

2492. **T. inconspicua**, *n.s.* (*Matthæws ; Cistula Entomologica*, Vol. i., p. 296.) *Brevis* convexa subquadrata, postice parum attenuata, nigra nitida, pilis brevibus griseis parce vestita.

L. c.,  $\frac{5.6}{16}$  lin.

*Caput* magnum latum, in fronte sat productum, nitidum, tuberculis minutis remotisque ornatum; *oculis* parvis, haud prominentibus; *antennis* modicis sat dilute piceis. *Pronotum* sat magnum, capite parum longius, multo latius, valde convexum, in maribus ad basin valde dilatatum, tuberculis parvis ordinibus sinuatis regulariter dispositis, interstitiisque nitidissimis indistincte reticulatis ornatum, lateribus rotundatis leviter marginatis, margine basali fere recta, angulis acutis dilutioribus, in maribus valde productis. *Scutellum* magnum, latum, triangulare, confertim asperatum. *Elytra* subquadrata, capite atque pronoto haud longiora, parum angustiora, in maribus postice attenuata, ordinibus regulariter sinuatis confertim haud profunde asperata, sutura sat elevata, apicibus latis, parum rotundatis, dilutioribus. *Abdomen* modice exsertum, segmento apicali dente parvo utrinque armato. *Pedes* modici, læte flavi, articulo basali tarsorum anteriorum in maribus dilatato.

*Subtus* nigra, metasterno sat profunde asperato, coxis flavis, ore atque apice ventris piceis.

*Femineis* est forma magis oblonga, atque pronotum vix ad basin dilatatum.

Habitat New Zealand, exemplis nonnullis a D. Lawson captis.

NOTE.—This species occurs amongst decaying vegetable matter in the Auckland Domain.—T. B.

## Ptenidium,

*Erichson.*

(*Lacord. ; Hist. des Ins. Coléop.*, Vol. ii., p. 234.)

*Head* very large. *Prothorax* quadrate, hardly narrowed behind, convex, the base about as wide as the elytra. *Scutellum* very large. *Elytra* entire, convex, medially curvate, more or less obtusely acuminate apically. *Posterior coxæ* not dilated. *Mesosternum* feebly prominent in front, prolonged posteriorly in the form of a very small process. *Abdomen* composed underneath of seven segments, the basal one much larger than the others.

2493. **P. lawsoni**, *n.s.* (*Matth. ; Cist. Entom.*, Vol. i., p. 123.)  
*Ovale*, convexum, castaneum, nitidum, pilis brevissimis flavis parce vestitum.

L. c.,  $\frac{6-8}{16}$  lin.

*Head* rather small, smooth, and shining, impunctate, furnished with a few long recurved hairs, with the margins of the clypeus distinctly reflexed near the eyes and antennæ; *eyes* moderate, prominent; *antennæ* long and slender, pale-yellow. *Thorax* moderate, longer and wider than the head, widest behind the middle, irregularly covered throughout with very large foveolate punctures, which near the base are arranged in an irregular transverse row, the interstices smooth and shining, the sides margined and rounded, contracted towards the base, the basal margin nearly straight, the angles obtuse. *Scutellum* large, triangular, somewhat acuminate, smooth and shining, with two large foveolate punctures near the middle of the base. *Elytra* oval, widest before the middle, rather longer and wider than the head and thorax, closely covered with large and deep punctures, with the interstices smooth and shining, the sides margined, the apex paler, broad, and much rounded. *Legs* rather long and slender, the tibiæ moderately dilated towards their apex, bright-yellow.

*Underside* castaneous, with the mouth, prothorax, and terminal segments of the venter paler.

Auckland. Three specimens, found by Mr. Lawson.

OBS.—This species occurs on the Hunua Range, and near Howick.—T. B.

2494. **P. posticale**, *n.s.* *Oblong*, moderately convex, slightly shining, flavo-castaneous, a broad space near the extremity of the elytra fuscous, antennæ and legs testaceous.

*Head* large, broad, punctate. *Antennæ* elongate and slender, extending backwards beyond the shoulders, with conspicuous hairs. *Thorax* moderately large, transverse, its sides rounded and finely

margined, posterior angles obtuse, base subtruncate, its surface with comparatively large, distant punctures. *Elytra* oblong, apices obtusely rounded, their punctuation fine and rather shallow.

Broader and less convex than *Ptenidium lawsoni*, and distinguished from it by its paler colour and the dark apical space on the wing-cases.

Length,  $\frac{1}{4}$ ; breadth,  $\frac{1}{8}$  line.

Capleston. One individual, found by Mr. Cavell.

2495. **P. proprium**, *n.s.* *Oblong*, rather convex, shining, reddish-chestnut, legs and antennæ testaceous; sparingly clothed with short yellowish hairs.

*Head* large, but narrower than the thorax, apparently smooth. *Thorax* transverse, its sides finely margined and well rounded, slightly sinuously narrowed behind; posterior angles rectangular, not prolonged backwards so as to embrace the shoulders; base very finely margined and nearly truncate; its surface impunctate, but with some minute, distant, granular elevations. *Scutellum* large, triangular, with six rather large punctures; three of these form a transverse row near the base, there are two across the middle, and one near the apex. *Elytra* oblong, their sides marginated and a little curved, slightly wider near the middle than they are at the base, the shoulders obtuse, so that the basal angles of the thorax extend a little beyond them, the apices obtusely rounded (singly) towards the suture; their punctuation is nearly as coarse as that of the scutellum, it becomes more distant behind, and rather less distinct. *Pygidium* exposed, yellowish.

*Underside* shining, testaceous, with pale, slender pubescence. Posterior *coxæ* not laminate, widely distant. The *mesosternal process*, between the middle *coxæ*, is rather large and thick. Across the front of the *prosternum*, at each side of the middle, there are four or five punctures. The *mesosternum* is coarsely sculptured, granulate apparently. The terminal joints of the maxillary *palpi* are thick, with an acicular seta at the apex of each. The *tibiæ* are straight; the anterior have some elongate, slender setæ, two of which extend below the tarsi for about two-thirds of their length. *Eyes* coarsely faceted.

This species may be easily distinguished by the peculiar punctuation of the scutellum.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{1}{4}$  line.

Maketu, Hunua Range. Two examples, the reversed one much paler than the other, and, most likely, immature.

2496. **P. cavelli**, *n.s.* *Subdepressed*, suboblong, slightly nitid, fuscous, the legs, antennæ, and pygidium testaceous; pubescence elongate, slender, yellowish.

*Head* large, including the eyes, as wide as the front of the thorax, so sculptured as to appear (when examined under the microscope with a half-inch lens) closely covered with flattened granules. *Thorax* transverse, its sides rounded, apex truncate, base feebly



sinuate and finely margined; the posterior angles do not overlap the shoulders, they are acute, and, owing to the sinuosity at each side, they seem prominent; its sculpture resembles that of the head, but under an ordinary glass it appears punctate. *Scutellum* moderate. *Elytra* oblong, their sides slightly curved, apices individually broadly rounded; they are minutely asperate, but the sculpture seems to vary with the light.

*Antennæ* elongate, their two basal joints stout, cylindric; the terminal three form an elongate, very laxly articulated club, and bear conspicuous, outstanding hairs; intermediate joints elongate and slender. *Legs* stout, pilose. *Metasternum* large, truncate behind, not asperate. Hind coxæ widely distant, not laminate, so that the femora are free during repose. *Abdomen* with distinct yellow pubescence, the basal segment larger than those near it, seventh large.

In this species the *process* of the mesosternum is not raised, it is finely margined at each side, triangular in shape, and acutely projecting between the coxæ. It is much larger than *P. posticale*, and less convex than *P. lawsoni*.

Length, quite  $\frac{3}{8}$ ; breadth,  $\frac{1}{8}$  line.

Capleston, Westland. Discovered by Mr. A. T. Cavell. Six examples of this group were forwarded at one time; two of these, however, cannot be referred to this species.

### Actidium.

2497. **A. lineare**, *n.s.* (*Matth.; Cist. Entom.*, Vol. i., p. 296.) *Lineare*, elongatum, valde convexum, nigrum, pube brevi griseâ sat dense vestitum, *capite* magno, sat acuminato; *pronoto* parvo, *capite* nec latiori nec longiori, impressione levi longitudinali ad medium discum, punctisque magnis per totum notato, lateribus vix rotundatis, margine basali fortissime rotundatâ angulis obsoletis; *elytris* *capite* atque *pronoto* plus quam sesqui longioribus, haud latioribus, lateribus fere rectis, apice integro valde rotundato; *pedibus* atque *antennis* modicis, læte flavis.

*Caput* magnum, elongatum, sat acuminatum, punctis profundis fere confluentibus impressum; oculis modicis prominentibus; *antennis* sat robustis.

*Pronotum* parvum, *capite* nec latius nec longius, punctis magnis fere confluentibus atque in disco pone medium impressione levissimâ longitudinali utrinque notatum, lateribus fere rectis, leviter marginatis, basi valde rotundato elytrorum humeris incumbenti.

*Scutellum* parvum triangulari profunde punctatum.

*Elytra* linearia elongata, *capite* atque *pronoto* sesqui longiora, haud latiora, ordinibus transversis irregularibus confertim sat profunde asperata, lateribus fere rectis, leviter marginatis, apice lato, integro, valde rotundato.

*Abdomen* haud exsertum.

*Pedes* modici, læte flavi, tibiis pone media leviter dilatatis, tarsis brevibus.

*Subtus* piceum, ore coxis atque ventre dilutioribus.

L. c.,  $\frac{4}{16}$  lin. (0.50mm.).

Habitat New Zealand, exemplis multis a D. Lawson captis.

NOTE.—I possess two examples which were found in the Domain at Auckland, but I have not met with it elsewhere.—T. B.

### Actinopteryx.

2498. **A. australis**, *n.s.* (*Matth.; Cist. Entom.*, Vol. i., p. 93.) *Oblongo-ovalis*, sat depressa, pilis læte argenteis vestita, capite sat magno, pronoto ad latera valde dilatato, in medio latissimo, punctis sat magnis distinctis, interstitiis glabris nitidis, atque depressione latâ longitudinali utrinque in disco, impresso, lateribus valde rotundatis, angulis posterioribus vix productis, acutis; *elytris* ad apices parum attenuatis, lateribus modice rotundatis, confertim sat profunde asperatis, apicibus dilutioribus, parum rotundatis; *pedibus* atque antennis longis, gracillimis, pallide flavis.

*Head* large, much rounded in front, marked with rather large distinct punctures; eyes small, not prominent; antennæ very long and slender, with the three apical joints slightly incrassate, pale-yellow.

*Thorax* large, transverse, scarcely longer than the head, widest at the middle, with the sides much rounded and slightly margined, marked with rather large and distinct punctures, the interstices smooth and shining, and also with a broad shallow longitudinal depression on each side near the middle of the disc, basal margin nearly straight, with its angles acute, but very little produced.

*Scutellum* small, triangular, moderately asperate.

*Elytra* a little longer than the head and thorax united, suboval, slightly attenuated posteriorly, with the sides slightly rounded and margined, moderately asperate in very close wavy rows, marked with a broad longitudinal depression on each side of the suture near the middle, apex very little rounded, paler, with the extreme edge white.

*Abdomen* considerably exserted, attenuated towards the apex.

*Legs* long and slender, pale-yellow, with the femora dusky.

L. c.,  $\frac{6.7}{16}$  lin.

Australia, Swan River.

NOTE.—I have given the description of this species, as it is found in New Zealand. One, indeed, was sent to me from Mokohinou Island by Mr. Sandager.—T. B.

### Group—COLYDIIDÆ.

#### Coxelus (Gen., p. 195).

2499. **C. regularis**, *n.s.* *Subparallel*, narrow, opaque; obscure fusco-piceous, legs and antennæ reddish; sparingly clothed with slender, yellowish-grey setæ.

*Head* quadrate, not narrowed anteriorly, finely granulate. *Eyes* prominent, without coarse setæ. *Antennæ* sparsely pubescent; first joint scarcely visible above; second stout, hardly any longer than the third; joints 4-6 longer than broad; seventh and eighth shorter; ninth a good deal larger than the preceding one; club large, its basal joint rather broader than the terminal one. *Thorax* longer than broad, very little wider near the front than it is elsewhere, its sides moderately explanate, with minutely serrate margins; the surface is finely granulate, and bears rather fine setæ; there is a depression on the middle (expanded near the base), which nearly reaches the apex; at the base, not far from the middle, there are two elongate depressions; its sides, and the base, are fringed with fine setæ. *Elytra* rather long, wider than the thorax at the base only, scutellar region depressed, the surface a little uneven; they bear almost quite regular series of small, distinctly-separated tubercles; the setæ are somewhat concentrated on the hind slope and the basal elevations. *Legs* finely setose.

*Underside* opaque, fusco-piceous, with granular sculpture and fine setæ. *Antennal furrows* well marked, nearly straight. *Prosternum* slightly, but widely, emarginate in front, its flanks unimpressed. *Posterior coxæ* not widely distant.

A narrow species, easily identified by the elytral sculpture. *C. graniceps* may be at once separated by its acutely-mucronate tibiae.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{1}{2}$  line.

Ashburton. Two individuals, found by Mr. W. W. Smith.

### **Heterargus** (Gen., p. 1085, Part V.).

2500. **H. serricollis**, *n.s.* *Oblong*, moderately convex, opaque, subglabrous; elytra fuscous, the other parts reddish.

*Head* apparently punctate. *Antennæ* short, their two basal joints stout, cylindric, the exposed portion of the first as long as the second; third longer than broad; 4-8 bead-like; ninth broader than the eighth; club abruptly biarticulate. *Thorax* transverse, widest near the front, narrowed behind, the sides moderately curved, somewhat explanate, with serrate margins; the base sinuate towards the sides, so that the hind angles do not touch the elytra; its surface is covered with small granules, it is a little uneven, having two indistinct transversal impressions. *Elytra* oblong, rather wider than the base of the thorax; with regular series of small tubercular or granular elevations, these are well defined, but should be examined from the sides, two rows, near the middle of each elytron, are just perceptibly more distinct than the others; the lateral margins bear rows of tubercles.

The serrate thorax, with ten or twelve small indentations at each side, and the better-defined elytral sculpture, differentiate this from *H. rudis*.

Length,  $1\frac{1}{4}$  lines; breadth, nearly  $\frac{1}{2}$  line.

Capleston. One only, kindly forwarded by Mr. A. T. Cavell.



**Vitiacus** (Gen., p. 1087, Part V.).

2501. **V. costicollis**, *n. s.* *Elongate-oblong*, not parallel, opaque; fuscous, the sides of the thorax paler; legs and antennæ reddish.

*Head* feebly bi-impressed longitudinally, with ill-defined granular sculpture. *Eyes* small but distinct. *Antennæ* shining, sparsely pubescent; second joint much thicker and rather longer than the third; first wholly concealed above; ninth rather broader than the eighth; club abruptly two-jointed, pubescent. *Thorax* rather longer than broad, very slightly wider near the front than it is elsewhere, a little sinuate behind the middle, its sides widely explanate, the lateral margins not serrate, but with serial tubercles; hind angles somewhat obtuse, the anterior but little prominent; the dorsum is on an abruptly higher plane than the sides, with granular sculpture, near the middle there are two raised rows of granules which form costæ. *Elytra* of the same width as the base of the thorax as far as the middle, beyond that point moderately narrowed; the sculpture near the sides appears to consist of punctures or granules, according to the light in which they are seen; the dorsum is raised like the thorax, it has two rows of granular elevations on each side of the suture; the third interstices are carinate, with short interruptions behind the top of the posterior declivity, at that part the suture is bisinuate, there is an elongate elevation behind the middle of each elytron, near the side, and a sort of nodosity at each side near the apex.

*Prosternum* slightly emarginate in front, shorter in the middle than at the sides, with a cavity at each front angle for the accommodation of the antennæ in repose. *Breast* convex, but with a depression before the hind coxæ. *Abdomen* with the three middle segments equal.

The thoracic costæ, and the sculpture of the hind-body, are distinguishing characters.

Length,  $1\frac{3}{8}$  lines; breadth, nearly  $\frac{3}{8}$  line.

Capleston. I am indebted to Mr. Cavell for my specimen.

**Syncalus** (Gen., p. 200).

2502. **S. munroi**, *n. s.* *Oblong-oval*, convex, fuscous, sometimes paler; antennæ, tarsi, and palpi red; legs dark obscure-red.

*Head* depressed, smooth, and somewhat shining, across the middle; the front red, raised, and closely granulate. *Labrum* and mandibles reddish, large and exposed. *Antennæ* sparingly pilose; the uncovered portion of the basal joint not longer than the second; third as long as the preceding one, but only about one-third of its breadth; joints 4-8 decrease in length; ninth half the size of the tenth; eleventh largest. *Thorax* transverse, a little narrowed anteriorly, its sides nearly straight at the middle, the base with a sinuosity near each angle; posterior angles nearly rectangular, the anterior extend as far as the middle of the eyes; disc transversely convex, uneven, with four or five ill-defined impressions; and in-

definite granular sculpture, the base depressed, with a row of punctures; its sides are explanate. *Elytra* with series of distinct punctures, these are not very coarse and are mostly transverse; the fine yellowish setæ are arranged in lines, but some are concentrated and form spots, there are also a few coarse, erect setæ similar to those at the sides. *Legs* with fine setæ only.

The nearly straight sides of the thorax, and the sculpture of the head, are distinctive.

Length,  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Hunua Range, Clevedon. Mr. Hugh Munro gave me three examples of this species, which, with pleasure, I name in his honour.

## Group—PYCNOMERIDÆ.

### *Pycnomerus* (Gen., p. 208).

2503. *P. angulatus*, *n.s.* *Subparallel*, subopaque, sparsely clothed with very minute yellowish setæ; pitchy-black, the legs and antennæ pitchy-red.

*Head* quadrate, its punctuation not coarse and rather shallow, its frontal impressions deep and foveiform, the margins, in front of the eyes, rather flat; *eyes* moderate. *Antennæ* with the transverse tenth joint only very slightly narrowed near its base, the eleventh well developed. *Thorax* longer than broad, with a short sinuosity behind each eye; the anterior angles, therefore, appear prominent—in reality they do not extend beyond the apical margin; the sides, near the front, are slightly oblique, from thence they are very gradually narrowed backwards, the margins are thin, so that the hind angles are ill-defined; the dorsal impression is broad and shallow, it is indistinctly divided along the middle, the punctuation is moderately close, coarse, and regular. *Elytra* very feebly curved laterally, shoulders not prominent, but not obtuse; their striæ regular, the punctures not longer than the intervals between them, they are not conspicuous; interstices rather broader than the striæ, the third bent sharply inwards at the base, the basal margin, however, is not thickened, so that the small glossy *scutellum* is distinct.

*P. arboreus* is the nearest species; its eyes, however, are more convex and coarsely faceted, the thoracic disc is unimpressed, the lateral margins are well developed, and the head differs. No. 369 has broad, deep elytral striæ and narrower interstices.

Length,  $1\frac{3}{8}$  lines; breadth, quite  $\frac{3}{8}$  line.

Maketu, Hunua Range. One individual.

2504. *P. frontalis*, *n.s.* *Subopaque*, obscure piceo-rufous, legs red, the setæ very minute.

*Head* quadrate, its punctuation shallow, becoming quite fine anteriorly, the frontal impressions small; the raised spot between the antenna and the eye is red and shining, a smaller spot in front of each fovea is also red and nitid, these are best seen from behind; *eyes* moderate. *Antennæ* short, the third joint, though transverse,

is rather longer than the following one, tenth transversely quadrate, eleventh very small. *Thorax* slightly and gradually narrowed backwards, lateral margins distinct; the basal angles not well defined, the anterior distinct; the surface moderately closely but not coarsely punctured, the broad shallow dorsal impression is divided behind by a smooth linear space. *Elytra* rather short, slightly and gradually curvedly narrowed from base to apex, shoulders a little prominent; the striæ are regular, the punctures are not larger than the intervals between them; the interstices are slightly narrower than the striæ, the third are acutely bent inwards at the base, the margin is raised along the middle of the base, so that the very short *scutellum* seems to be but a portion of it.

The peculiar appearance of the forehead will readily distinguish this from all the species with small terminal antennal joints.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Howick. Unique as yet.

2505. **P. elongellus**, *n.s.* *Elongate*, shining, the knees, antennæ, and tarsi pitchy-red, body black.

*Head* quadrate, coarsely and moderately closely punctured, frontal impressions large but shallow, the sides scarcely at all raised; *eyes* moderately convex but not prominent.

*Antennæ* stout, eleventh joint as long as the tenth but not as broad as it is. *Thorax* rather narrow, its front margin sinuate in the middle, anterior angles not prominent; it is slightly wider near the front than it is at the middle, and it is gradually narrowed behind; the lateral margins are very thin, and the posterior angles are indistinct, but not rounded; the surface is somewhat irregularly and not very closely punctured, with shining intervals, the disc is flat but not impressed, along the middle there is a narrow smooth space. *Elytra* elongate, evidently broader than the thorax at the base, not quite parallel-sided, the humeral angles free but not prominent; they have regular punctate striæ, the spaces between the punctures are almost level with the interstices, the striæ therefore are not deep, they are deep at the extremity however and the apices are dilated; the basal margin is not raised, so that the *scutellum* is distinct. *Legs* long.

*P. rufescens* makes the nearest approach to this species, which may be separated at once by the sinuosity at the middle of the apical margin of the thorax. The lateral margins are ill-defined. The eyes are more finely faceted and less convex. *P. impressus* may be distinguished by the deep and elongate frontal impressions and the cariniform space along the inner margin of the eye.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Mount Arthur. One, amongst other Coleoptera collected by Messrs. Cheeseman and Urquhart.

2506. **P. longipes**, *n.s.* *Elongate*, moderately shining, head and thorax piceous, elytra, legs, and antennæ pitchy-red.

This resembles *P. elongellus*, but the head is larger; the eyes



are distant from the front of the thorax, they are nearly flat; near each side of the *thorax*, in front, there is a slight sinuosity, so that the anterior angles project; the lateral margins though distinct are rather thin; the apical margin of the thorax is truncate in the middle, there are two elongate dorsal impressions, the borders of these, and the dividing space, are nearly smooth; the *scutellum* is rather larger; the *tibiae* are more elongate, and more acutely produced at the outer extremity. The species is quite distinct from *P. sophora* and its allies.

Length,  $2\frac{1}{8}$  lines; breadth, nearly  $\frac{5}{8}$  line.

Otago. My specimen was sent by Mr. S. W. Fulton, who did a great deal to enable us to obtain a better knowledge of the Coleoptera of his neighbourhood.

OBS.—No. 1358. I found in Taranaki, near the base of Mount Egmont, a varietal form, having the front of the head much narrowed and produced, with the clypeus horizontal; the appearance of these parts is therefore quite unusual.

## Group—CRYPTOPHAGIDÆ.

### *Cryptophagus* (Gen., p. 224).

2507. *C. tumidus*, *n.s.* *Suboblong*, moderately convex, shining, sparingly clothed with slender yellow hairs; head, thorax, and antennæ red, legs reddish; tarsi yellow; a large space across the elytra, before the middle, bright-fulvous.

*Head* narrower than the thorax, depressed in front, with a few moderately fine punctures. *Eyes* large and prominent. *Antennæ* with slender pallid hairs, implanted below the sides of the forehead; the exposed part of the first joint not longer than the second; third as long as second, but more slender; fifth rather longer than those next to it; sixth to eighth bead-like; tenth rather larger than ninth; eleventh ovate. *Thorax* transversely quadrate, the sides finely margined and nearly straight; the apex, in the middle, subtruncate, but oblique or sinuate towards the sides, so that the obtuse anterior angles do not extend as far forward, its widest part is in line with these angles, the posterior angles are rectangular; disc convex, moderately finely and distantly punctured, the base transversely depressed or flattened. *Scutellum* raised, strongly transverse. *Elytra* wider than the thorax, their sides a little curved, a good deal narrowed posteriorly; the basal half finely and distantly punctured, behind nearly smooth, each with a distinct sutural stria, which, however, becomes obsolete towards the base; in line with the middle thighs there seems to be a depression, and in front of this, but not reaching the suture, there is an obtuse elevation or swelling on each elytron which appears darker in colour than the adjacent fulvous portion. *Tarsi* pentamerous, the fifth joint as long as the basal four, which are of about equal size.

*C. discoideus* is a longer, less convex, and more parallel-sided

insect, and it has not the distinct swelling on each wing-case which is so conspicuous in *C. tumidus*.

Length, 1; breadth,  $\frac{3}{8}$  line.

Karaka, near Drury. One, found on the ground amongst decaying leaves of *Phormium tenax*.

2508. **C. obscurus**, *n.s.* *Oblong*, slightly convex, clothed with yellowish-grey hairs, some of which are long and erect; subopaque, nearly piceous, legs and antennæ rufo-testaceous.

*Head* distinctly punctate. *Eyes* large and convex. *Antennæ* with long slender pubescence; second joint smaller than the first, oviform; third longer than the fourth, which (as well as joints 6-8) is bead-like; fifth rather larger than the contiguous ones; the terminal three enlarged, rather darker and more densely pubescent than the preceding ones, tenth broader than ninth, eleventh conical. *Thorax* transverse, its sides finely margined, much narrowed but nearly straight behind, somewhat rounded towards the front; anterior angles not prominent, yet not rounded, the posterior rectangular; apex sinuate near each side, so that an evident gap exists behind each eye; its punctuation is like that of the head, the base is depressed. *Scutellum* strongly transverse. *Elytra* oblong, finely and distinctly punctured almost to the apices, the sutural striæ indistinct near the base, there is a slight, broad impression on each elytron, before the middle. *Tarsi* pentamerous, their fourth joint very small.

*Underside* shining, piceous, finely punctured, with greyish pubescence. *Prosternum* subtruncate in front, its process somewhat carinate along the middle. *Mesosternum* with a triangular depression in the middle. *Metasternum* large, with a more or less distinct groove extending forwards.

This is the only dark-coloured species except No. 1959, which is a great deal larger.

Length,  $\frac{3}{4}$ ; breadth, quite  $\frac{1}{4}$  line.

Ohaupo, Waikato. Several specimens, found by Mr. A. T. Urquhart.

2509. **C. anthracinus**, *n.s.* *Subcylindrical*, rather convex, glossy, deep-black, very sparingly clothed with slender minute grey setæ.

*Head* finely but distinctly punctured, nearly smooth on the middle; eyes large, convex, coarsely faceted. *Antennæ* as long as the head and thorax, minutely pubescent; first joint thick; second elongate-ovate; third rather longer; fifth a little larger than the fourth; seventh distinctly larger than the small, bead-like sixth and eighth joints; ninth and tenth large, transversely quadrate; eleventh conical. *Thorax* transverse, finely margined, base bisinuate, the sides a little curved; posterior angles nearly rectangular, the anterior obtuse and depressed; its surface distinctly but not at all closely or coarsely punctured. *Scutellum* very much broader than long, smooth, or nearly so. *Elytra* with series of rather fine distinct

punctures having a fine grey hair in each, the sculpture becomes obsolete behind, the sutural striæ are least evident near the base. *Legs* moderate; *tarsi* pentamerous, their three basal joints nearly equal, the third entire below but excavate above, and appearing as if prolonged under the minute fourth joint, fifth about as long as the first three.

*Underside* shining, black, more or less finely punctured, its pubescence grey. The *prosternal process* is not broad. The *mesosternum* has only a small, smooth, angular space in front, there being no depression for the prosternal process. The *metasternum* is angulate in the middle, in front, and incurved behind. The middle *coxæ* are not widely separated.

Length,  $\frac{3}{4}$ ; breadth, nearly  $\frac{3}{8}$  line.

Ashburton. Mr. W. W. Smith sent me five specimens. The glossy-black colour distinguishes this from all its allies.

## Group—LATHRIDIIDÆ.

*Lathridius* (Gen., p. 232).

2510. *L. caviceps*, *n.s.* *Subovate*, moderately convex, glabrous, shining, blackish; legs and antennæ fuscous, the basal joint of these latter, and the club, nearly black, tarsi pale-brown.

*Head* narrowed behind and in front, the forehead with oblique lateral margins; its surface distinctly and somewhat rugosely punctured; the clypeus smooth. *Eyes* large and prominent. *Antennæ* stout, basal joint thick; second oviform; 3-8 slender, evidently longer than broad; ninth about as long as broad, narrow at the base; tenth transverse; eleventh largest, conical. *Thorax* transversely quadrate, the lateral margins moderately explanate, minutely serrate, a little sinuously narrowed towards the base; its surface uneven and rugose; in front, at the middle, there is a rounded impression, and, usually, an elongate one extending from the base and touching the frontal one, the borders of these impressions are very slightly raised, there is another large impression at each side, near the base. *Scutellum* smooth. *Elytra* large, broader than the thorax at the base, still wider before the middle, gradually narrowed posteriorly; they are distinctly punctate-striate; interstices irregularly elevated, the external a little raised at the shoulders, the sutural depressed, the third and fifth are more or less elevated throughout, seventh narrow and cariniform towards the extremity. *Legs* slender, tibiæ nearly straight and unarmed; *tarsi* moderately slender, their basal joint nearly as long as the second, third as long as the preceding two, claws small.

*Underside* glossy-black. *Metasternum* large, convex, nearly smooth on the middle, distinctly punctured at the sides, impressed behind. *Abdomen* finely punctate, the basal segment largest, minutely margined and subtruncate between the coxæ; the others decrease in size. *Prosternum* truncate in front, with a central costa from base to apex. *Head* rather sharply limited in front, and at the



sides, with a large cavity behind, there are no well-marked antennal furrows. The clypeus is emarginate, but the labrum is rounded. The buccal cavity appears to be so completely covered that the trophii cannot be seen.

The *hind-body* is slightly raised across the middle, so that the parts in front and behind it appear depressed. The *interstices* are not nodose, nor are any of them conspicuously carinate.

There are three or four allied genera whose descriptions I have been unable to obtain. I believe this species represents a new genus near *Lathridius*.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Maketu, Hunua Range. It lives amongst decaying leaves on the ground.

### **Holoparamecus** (Gen., p. 231).

2511. **H. castaneus**, *n.s.* *Shining*, rufo-castaneous, legs and antennæ pale yellowish-brown, palpi and tarsi yellow; sparsely clothed with short grey hairs.

*Head* distinctly, rather finely, but not closely punctured, its frontal suture almost quite straight; it is darker than the rest of the body, but the labrum is pale. *Antennæ* with the two basal joints cylindric and nearly equal, joints 3-8 differ but little, except that the fifth is rather larger than the contiguous ones; ninth transverse, twice the width of the eighth; tenth reddish, large; eleventh also large, not quite as broad as the tenth, it is nearly yellow. *Thorax* rather longer than broad, its sides rounded, but much contracted behind; it is indistinctly punctured, near each hind angle there is an elongate fovea, at the middle of the base there are four minute foveæ, two of which are placed in front of the others, this part appears a little depressed. *Scutellum* rounded behind. *Elytra* elongate, shoulders rounded, widest before the middle, gradually narrowed posteriorly; sutural striæ well marked, and appearing as if they were curved outwards near the base, their punctuation ill-defined and indistinct. *Legs* simple.

Though very similar to *H. lucidus* in appearance the antennæ are materially different.

Length,  $\frac{5}{8}$ ; breadth,  $\frac{1}{4}$  line.

Mokohinou Island. One example, from Mr. Sandager.

### **Group—BYRRHIDÆ.**

#### **Curimus** (Gen., p. 243).

2512. **C. squamifer**, *n.s.* *Broad*, suboblong, narrowed towards both extremities, only moderately convex; densely covered with minute, flat, dark or grey scales, these conceal the sculpture, there are also many slender erect grey setæ; the surface beneath the squamæ is black and shining, legs and antennæ rufo-piceous.

*Head* narrow, finely margined in front, indistinctly sculptured, the forehead bears a row of slender grey setæ. *Eyes* not at all pro-

minent, situated below the lateral margins. *Antennæ* inserted below the sides of the forehead; first joint stouter than the second, its exposed portion hardly longer than it; joints 3-6 cylindrical, slender, each slightly shorter than its predecessor; seventh and eighth rather longer than broad; tenth transverse, evidently larger than the ninth; eleventh largest; these terminal joints more distinctly pubescent than the others. *Thorax* transverse, much narrowed towards the front, its base bisinuate; the surface on a denuded space is impunctate. *Scutellum* narrow, triangular. *Elytra* large, if the obliquely-narrowed posterior portion were removed they would be quadrate; they are finely and sharply striated, and the discoidal interstices are flat. Front *tibiæ* straight along the inside, slender at the base, the tarsi during repose are applied to the front or inner face; the other *tibiæ* are more abruptly dilated externally near the base, and are broadly grooved along their hinder, or inner, face, for the accommodation of the tarsi, they are pilose, but along the outer edge they are fringed with distinct outstanding setæ. *Tarsi* simple, with distinct membraneous appendages; claws well developed.

*Underside* black, more or less punctate, with depressed greyish setæ. The cavities for the legs are large and deep. The *mandibles* are, apparently, bifid at the extremity. All the tarsi are retractile.

Congeneric with No. 432, perhaps different from the *Curimus zeelandicus* of Redtenbacher, which I have not seen. The squamosity is very easily rubbed off. In No. 432 the setæ are coarse, with a tendency to form small tufts on the hind-body.

Length,  $1\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Ashburton. Two examples, found by Mr. W. W. Smith.

### **Limnichus** (Gen., p. 246).

2513. **L. nigripes**, *n.s.* *Oval*, convex, shining, black; clothed with short, depressed, yellowish, scale-like setæ, the clothing of the thorax more slender and hair-like.

*Head* narrowed towards the front, finely punctured; *eyes* large, quite lateral, rotundate, not prominent. *Antennæ* implanted near the front and inner margin of the eyes. *Thorax* transverse, its base, in front of the scutellum, slightly emarginate, widely sinuate towards the sides; these are finely margined, and but little curved, though obviously enough narrowed towards the prominent, acute front angles; its surface is indistinctly punctured, the lateral clothing is of a dark colour. *Scutellum* elongate, triangular, punctate. *Elytra* evenly, closely, finely, but distinctly punctured. *Legs* simple, the *tibiæ* fringed with fine grey setæ, the *tarsi* not retractile.

*Underside* black, shining, with depressed grey setæ. The *prosternum* medially convex. Front *coxæ* moderately widely separated. *Metasternum* large, quite truncate between the middle *coxæ*, finely, yet rather more distinctly, punctured than the abdomen. Hind *coxæ* hardly as far apart as the anterior, the intervening process triangular. The excavations for the legs moderately deep.

With shorter and more brightly-coloured setæ than No. 438; the elytra more distinctly sculptured than No. 437.

Length, 1; breadth,  $\frac{5}{8}$  line.

Ashburton. Mr. W. W. Smith sent me two specimens.

## Group—MELOLONTHIDÆ.

### *Odontria* (Gen., p. 265).

2514. *O. smithii*, n.s. *Opaque*, thorax reddish-brown, elytra much paler, head red, legs and antennæ testaceous, tarsi reddish.

*Head* shining, the hind part with distinct, the frontal with coarse, shallow, rugose punctures; it is nearly orbicular, the front margins are raised from one eye to the other. *Thorax* transverse, the middle widest, more narrowed in front than behind; the sides margined, closely punctured, and bearing long outstanding hairs; the surface finely but not closely punctured, and covered with fine, depressed, yellowish hairs. *Scutellum* large, with a few fine punctures, its basal portion covered with long pallid hairs. *Elytra* feebly striate, the striæ only visible when examined sideways, they are minutely and closely punctured; interstices broad and flat, and minutely punctured; the clothing consists of slender yellowish hairs, and on the basal half there are also long, erect, reddish ones. *Pygidium* testaceous, indistinctly sculptured.

*Underside*: Breast testaceous, with long, slender, pallid hairs; abdomen infusate, finely punctured, with scanty pubescence.

*Male*. Front *tibiæ* tridentate, the process at the inner angle of each extending as far as the apex of the first tarsal joint, that of the posterior as long, but more slender. *Antennæ* short, basal joint with a few coarse hairs in front and many slender ones behind, fifth joint prolonged inwardly, so that the club is four-jointed.

This species most nearly resembles *O. sandageri*.

Length,  $5\frac{1}{2}$ –6; breadth,  $3$ – $3\frac{1}{2}$  lines.

Ashburton. Named in honour of Mr. W. W. Smith, who kindly sent about half a dozen specimens. This is another insect that will probably prove very destructive to crops and grass if not checked in time.

2515. *O. piciceps*, n.s. *Suboblong*, opaque; head a little shining, piceous, with rufescent margins; thorax dark-fuscous; elytra pale-brown, with numerous dark spots, usually in lines between the striæ; legs testaceous, abdomen infusate; the sternum more or less testaceous, with slender pale hairs; clothed above with decumbent, rather short, yellowish hairs, the sides with long ones.

*Head* coarsely punctured, clypeus obtusely rounded in front. *Thorax* widest near the middle; front angles prominent, posterior rounded; finely and closely punctured, the apical margin smooth. *Elytra* indistinctly striate, but with series of fine punctures. The hind angles of the *metasternum* rather acutely prolonged and curved.



Male. *Antennæ*, fourth joint angulated at the base, in front; club composed of four equal leaflets.

This, I think, is distinct from *O. xanthosticta*. I have but one specimen, which corresponds with White's description of that species. It was received from Mr. G. V. Hudson, under the number 161.

Length,  $5\frac{1}{2}$ ; breadth,  $1\frac{3}{4}$  lines.

North Island, various localities. Rare at present, and, for the sake of agriculturalists, it is hoped that it may continue so.

2516. *O. occiputale*, *n.s.* *Suboblong*, opaque, sparsely clothed with short brassy hairs, but with longer ones along the sides; head shining, red in front, piceous behind; thorax pitchy-brown, its sides testaceous; elytra variegate, reddish-brown and testaceous, the paler colour forming very irregular longitudinal marks; legs testaceous, the tarsi, antennæ, and palpi somewhat rufescent.

*Head* with some very coarse punctures, the hind part quite smooth; clypeus very obtusely curved in front. *Thorax* transverse, its sides slightly, but very regularly, rounded; hind angles rounded, the anterior distinct but not acute; base strongly bisinuate; its punctuation fine and distant. *Scutellum* testaceous, nearly smooth. *Elytra* widest near the hind thighs, with distinct sutural striæ behind, the other striæ indistinct, with series of minute punctures; interstices broad, distantly and finely punctured.

*Breast* testaceous, with fine, short hairs; *abdomen* fuscous, shining, with very few fine punctures and short pubescence; legs with long yellowish hairs.

*Antennæ* short, fifth joint small, club triarticulate.

The peculiar pale marks, and short hairs, on the elytra, and the smooth occiput, will lead to its recognition. It is certainly distinct.

♀. Length,  $5\frac{3}{4}$ ; breadth,  $2\frac{3}{4}$  lines.

Otira Gorge. One, found by Mr. T. F. Cheeseman.

2517. *O. marmorata*, *n.s.* *Elongate*, comparatively narrow, opaque, covered with slender, depressed, and some long erect, greyish-yellow hairs; clypeus and back of head testaceous, the vertex fuscous or piceous; body pale-brown or fusco-testaceous, the disc of the thorax with irregular blackish spots, the elytra with numerous elongate dark marks; legs testaceous.

*Head* coarsely punctured, the punctures shallow and rugose in front, not at all close behind; clypeus obtuse in front. *Thorax* strongly transverse, of the usual form, its fine punctuation indistinct. *Scutellum* dark. *Elytra* unusually long and narrow, not much dilated behind; quite obsoletely striate, finely punctured, without distinct serial punctures.

*Underside* variegate testaceous, with short depressed hairs on the abdomen, those on the breast long and very slender.

*Antennæ* short, fifth joint short, club triarticulate.

As large as *O. striata*, much narrower, not distinctly striate, the dark spots on the elytra very irregular, and distributed over the

whole surface, causing a marbled appearance. I rely on the large size and narrow form to distinguish it from *O. xanthosticta*.

♀. Length,  $7\frac{1}{2}$ ; breadth,  $3\frac{1}{4}$  lines.

Napier, Forty-mile Bush. Discovered by Mr. H. Suter.

VAR.—Occiput piceous, clypeus reddish. One example.

2518. *O. fusca*, *n.s.* *Elongate*, rather narrow, opaque, fuscous; covered with yellowish hairs, those on the elytra rather short and depressed; the antennæ with reddish basal joints (two), the club and palpi piceous, legs pale-brown; underside fuscous.

*Head* coarsely punctured, clypeus obtusely curved in front. *Thorax* transverse, moderately closely and finely, but quite distinctly, punctured. *Elytra* rather elongate and narrow, finely punctured, more or less evidently striate, the striæ with regular, closely-placed, and rather distinct punctures.

*Antennæ* rather short, fourth joint longer than the third, fifth short, club triarticulate.

The form like *O. marmorata*, the elytral sculpture distinctive.

♀. Length,  $6\frac{1}{2}$ ; breadth,  $3\frac{1}{4}$  lines.

Napier, Forty-mile Bush. One individual, from Mr. H. Suter.

2519. *O. glabrata*, *n.s.* *Oblong*, subparallel, nearly nude, shining; castaneous, the sides of the thorax, the legs, and the antennæ pale chestnut-red.

*Head* rather finely and not closely punctured, blackish behind; the clypeus curved, with raised, reddish margins. *Thorax* transverse, more narrowed in front than it is behind, its sides only very slightly curved towards the base; apex bisinuate, with prominent angles; base widely bisinuate, its angles obtuse; the surface finely and distantly punctured, and with a fine sinuous stria near the apex. *Scutellum* large, nearly smooth. *Elytra* with rather shallow punctures, some, finer than the others, form regular series, each elytron with three more or less distinct costæ, the sutural striæ are well marked, and the suture itself is scored with many transverse impressions. Front *tibiae* with two large prominent teeth, and an obtuse one higher up, the apex oblique, the calcar at the inner angle extends as far as the extremity of the first tarsal joint.

*Underside* testaceous, punctate, with very few elongate hairs.

*Antennæ* short, fifth joint small, club triarticulate.

This is a small, parallel-sided insect, with more resemblance (as to shape) to *Eusoma* than to the ordinary species of *Odontria*.

♀. Length,  $3\frac{3}{4}$ ; breadth,  $1\frac{3}{4}$  lines.

Karaka, Drury. One, found in my orchard.

## Group—ELATERIDÆ.

### *Oxylasma* (Gen., p. 679).

2520. *O. vittiger*, *n.s.* *Elongate*, subparallel, shining, bright-brown; the base, and a broad lateral streak on each elytron, fusco-

testaceous; the legs and antennæ testaceous; pubescence yellow, slender on the thorax, short on the elytra.

*Head* closely and moderately coarsely punctured; forehead horizontal, subtruncate in front. *Eyes* very prominent. *Antennæ* reaching to just beyond the base of the thorax, filiform; second joint slightly shorter than third, neither much abbreviated, and, together, evidently shorter than the fourth. *Thorax* longer than broad, very little narrowed towards the front; anterior angles subacute, the posterior rather short, and fitting into a notch at each shoulder, instead of extending outside the shoulders as in No. 1186 and its allies; its surface closely and distinctly punctured near the sides, more distantly on the disc, along which there is an almost smooth, but not depressed, linear space. *Elytra* subparallel, apices obtuse, striate, the outer striæ punctured, interstices finely punctured.

*Underside* with greyish pubescence, the middle of the prosternum more distantly punctured than the flanks.

The lateral vitta on each elytron, and the obtuse forehead, differentiate it.

Length, 7; breadth,  $1\frac{1}{2}$  lines.

Capleston. One example, a female, sent by Mr. A. T. Cavell.

### **Cryptohypnus** (Gen., p. 295).

2521. **C. attenuatus**, *n.s.* *Elongate*, narrow, subparallel, a little shining, fuscous, elytra rufescent, antennæ infusate-red, legs fusco-testaceous; pubescence distinct, yellow.

*Forehead* curved from one eye to the other, nearly horizontal. *Antennæ* attaining the middle thighs, filiform, pubescent; second joint rather shorter than the third, which equals the fourth in length, but not in thickness; joints 4–10 slender and stalk-like at the base. *Thorax* much longer than broad, its sides hardly at all rounded, narrowed behind, posterior angles rather elongate and divergent; it is densely and quite finely punctured, the median channel is feeble in front. *Elytra* very slightly and gradually narrowed from the shoulders backwards, with well-defined, impunctate striæ, which do not, however, touch the smooth base, interstices minutely and closely punctured. *Legs* elongate.

The coloration and attenuate hind-body will enable it to be separated from its allies.

♂. Length,  $3\frac{3}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Capleston. One individual, discovered by Mr. Cavell. From the same source I have two specimens, both females, which may prove to belong to this species, but without further evidence this may be considered doubtful. They are larger and broader. The *antennæ* reach the base of the thorax, joints 4–10 are not stalk-like at the base. The *legs* are testaceous. The *elytra* are wider near the hind thighs and the base. In a specimen mounted on its back I find that the *underside* is reddish-brown, the abdominal *pubescence* is conspicuous and quite yellow. The *prosternal process* is narrowed



towards the tip. The mesosternal *cavity* has broad flattened margins. The coxal *lamina* is quite obsolete for half its length towards the side, but the trochanteral portion is well developed. Size,  $5 \times 1\frac{3}{8}$  lines.

2522. **C. deterius**, *n.s.* *Subdepressed*, slightly nitid, fusc-niger, legs and antennæ testaceous, these latter very slightly infusate towards the extremity.

*Head* finely and distinctly punctured, more sparingly on the middle; forehead subtruncate in the middle. The *antennæ* reach backwards to the shoulders, their second joint is a little shorter than the third, which is quite as long as the fourth. *Thorax* longer than broad, its sides only moderately rounded, narrowed behind; posterior angles extremely short, acute, directed backwards; its surface finely and closely punctured, slightly canaliculate. *Elytra* widest near the hind thighs, much narrowed behind, they are flat, striate, but the outer striæ only are punctured, interstices finely rugose; the clothing consists of fine, short, nearly erect, brassy setæ or hairs; on the thorax the pubescence is very slender and greyish.

*C. powelli* is perhaps the nearest species, but the obtuse forehead, its smaller size, and elytral clothing appear sufficient for specific differentiation.

Length, 3 lines; breadth, nearly  $\frac{7}{8}$  line.

Ashburton. One individual, found by Mr. W. W. Smith.

### **Lomemus** (Gen., p. 290).

2523. **L. fuscipes**, *n.s.* *Fusiform*, subdepressed, shining, black, legs fuscous, paler near the knees; pubescence elongate, very slender, depressed, ash-coloured, but near the base of the elytra and the hind angles of the thorax there are some conspicuous yellow hairs.

*Head* closely and rugosely punctured; the forehead strongly curved and nearly horizontal. *Thorax* longer than broad, much narrowed anteriorly, its sides straight, posterior angles hardly at all divergent, it is much more finely and distantly punctured than the head. *Elytra* broadest at the base, gradually narrowed behind, punctate-striate, the inner striæ not distinctly punctured, interstices rugose, subgranulate near the base.

*Antennæ* robust, extending to the middle thighs; second and third joints very short, equal, and, together, considerably shorter than the following one; 4-10 angularly produced at the inner extremity.

*Prosternum* with densely punctate flanks, its process not horizontal throughout; mesosternal *cavity* narrow, with flat margins.

The most fitting place for this species is next to No. 514.

♂. Length,  $3\frac{1}{2}$  lines; breadth, quite  $\frac{3}{4}$  line.

Capleston. Another of Mr. Cavell's novelties, represented as yet by one specimen only.

## Group—DASCYLLIDÆ.

*Atopida* (Gen., p. 311).

2524. *A. sinuata*, *n.s.* *Subopaque*, head and thorax red, elytra castaneous; the legs and five basal joints of the antennæ testaceous, the remaining joints infusate; pubescence inconspicuous, short, yellowish.

When placed side by side with *A. lawsoni* it will be seen that the *eyes* are smaller, flatter, and more widely separated above. The third joint of the *antennæ* is slightly, but distinctly, shorter than the fourth. The carinate edge of the antennal *fossa*, from the eye to the forehead, is less elevated. The *thorax*, at the base, near each side, has a sinuosity, this causes the angle to appear as if it were directed backwards; the front angles are not so acutely prominent; the sculpture is finer, and the larger and more distant granules on the sides and base of *A. lawsoni* are here almost entirely wanting. The *labrum* is very short in the middle, and the membranous space behind it is also short.

Length,  $2\frac{1}{2}$  lines; breadth, 1 line.

Howick. One example. The terminal joint of the labial *palpi* is placed nearly at right angles to the penultimate. The male of *A. lawsoni* has a distinct notch at the apex of the last ventral segment.

*Veronatus* (Gen., p. 314).

2525. *V. nubilus*, *n.s.* *Elongate*, moderately convex, subopaque, fuscous, the head and thorax more rufescent; legs and antennæ chestnut-red, labrum and mandibles red; densely covered for the most part with conspicuous yellow hairs.

*Head* narrower than the thorax, densely and finely punctate. *Antennæ* elongate and slender, reaching the middle thighs; third joint nearly as long as the fourth. *Thorax* strongly transverse, its sides rounded, anterior angles depressed but not much rounded, the apex a little sinuate towards the sides, the base subrotundate, its angles nearly rectangular; it is indistinctly broadly impressed along the middle, its punctuation is fine but close, at the base, between the middle and the side, the sculpture is distinctly granular. *Elytra* slightly uneven, each feebly tricostate, densely and finely punctured, more or less evidently mottled; near each side there is a large irregular space always darker in colour than the disc.

*Underside* castaneo-rufous, finely and closely sculptured and pubescent.

This species may be distinguished from *V. longipalpis* by the larger membranous space between the labrum and the forehead, the labrum is larger; the third antennal joint differs from the description of *V. longipalpis*; the thoracic sculpture is quite different, that of the elytra is more distinct, with a tendency to appear rugose, or minutely granulose, near the base. The process of the

prosternum is slightly broader and pubescent. The mesosternum has its front margin more sharply defined.

Length,  $4\frac{1}{2}$ ; breadth,  $1\frac{3}{8}$  lines.

Karaka, near Drury. Five, taken off *Cordyline banksi*.

### **Amplectopus** (Gen., p. 1137, Part V.).

2526. **A. pallicornis**, *n.s.* *Oval*, convex, slightly shining, infusate-red, tarsi yellow, clothed with fine, depressed, greyish-yellow hairs.

*Head* finely punctured. *Thorax* slightly bisinuate at the base, quite indistinctly punctate. *Scutellum* curvilinearly triangular. *Elytra* oblong-oval, apices a little explanate; their sculpture fine, not close, that of the basal portion apparently granular.

*Antennæ* testaceous, first joint reddish, oblong; second subquadrate, oblique at the base and apex, its point of articulation narrow and quite at one side; third longer than broad, slender near the base, its apex emarginate at the inner portion; fourth nearly as long as the preceding one at the outside, but narrowed and produced inwardly; fifth of similar form but smaller; 6–10 transverse; tenth not broader than the ninth.

*Underside* reddish, very finely pubescent; *metasternum* large, more distinctly punctured than the abdomen, the suture rounded between the middle coxæ.

Length,  $\frac{7}{8}$ ; breadth,  $\frac{1}{2}$  line.

Mount Pirongia. Two, found by Mr. A. T. Urquhart. The structure of the antennæ, and their coloration, differentiate this species. There are other species, but they cannot be described at present, as the antennæ are hidden.

### **Group—OPATRIDÆ.**

#### **Periatrum** (Gen., p. 1152, Part V.).

2527. **P. tumipes**, *n.s.* *Oblong*, hardly at all convex, opaque; sparingly clothed with decumbent yellow setæ on the head and thorax, on the disc of the elytra the setæ are minute and pallid; rufo-fuscous, the head and the sides of the thorax usually paler, or reddish, the legs, antennæ, and palpi yellow, or infusate-yellow.

*Head* irregularly punctate and rugose. *Thorax* rather broader than long, widest near the front, apex emarginate, base bisinuate; lateral margins somewhat reflexed, irregularly serrate, or with four or five indentations, not always alike, posterior angles generally obtuse; the disc more or less closely and rugosely punctured, the depressed space between it and the side with some small setigerous granules; a linear impression extends from the base to the apex, ending in a small notch in front of the *scutellum*, which is distinct. *Elytra* oblong, rather wider than the thorax at the base, the shoulders obtusely prominent; the sides a little undulate behind the middle, rather abruptly bent inwards, and unequally elevated, or nodose, behind the top of the posterior declivity; their sculpture



consists of series of moderate punctures and minute tubercles, and the interstices are more or less irregularly and obtusely elevated longitudinally; a bare, transverse, slightly shining space is bounded behind by concentrated setæ and two nodosities; there are two nodosities near the apex, and the third interstices are a little raised at the base. *Legs* sparsely clothed with very small setæ; the anterior *tibiæ* on the inside, near the middle, somewhat swollen or curved; the others have a sort of swelling just above the middle, and another near the extremity, on the outside. The *antennæ* are gradually thickened, and become darker and more pubescent, towards the extremity; their third joint is not twice the length of the second, and it is longer than the fourth.

*Underside* variegate, rufo-fuscous, with slender yellow setæ; it is irregularly and, except on the prosternum, rather finely sculptured; the fourth and fifth segments are smooth and shining at the base; the pseudopipleuræ bear some coarse, distant granules or punctures, and are nearly nude, the upper part is clothed and sculptured in nearly the same way as the breast.

A glance at the *tibiæ* will lead to its identification.

Length,  $3\frac{1}{4}$ – $3\frac{1}{2}$ ; breadth,  $1\frac{3}{8}$ – $1\frac{1}{2}$  lines.

Maketu, Hunua Range. A dozen specimens. The insect lives on the ground amongst fallen leaves.

### Syrphetodes (Gen., p. 351).

2528. *S. cordipennis*, n.s. *Subovate*, opaque, variegate, fuscous, tarsi obscure-red, palpi piceous; densely clothed with small, depressed, almost hair-like scales, yellowish, rufo-fuscous, dark, and red, these last most apparent on the sides of the thorax.

*Head* broadly depressed. *Antennæ* with yellow setæ on the two basal joints, the three terminal joints dull-fuscous and finely pubescent, seventh and eighth reddish, third twice the length of the second, one-third longer than the fourth. *Thorax* broader than long, widest behind the middle, the sides nearly straight in front, sinuously narrowed posteriorly; anterior angles acutely prominent, distant from, but extending as far as the front of, the eyes, basal angles rectangular; apex sinuously emarginate, with a small emargination in the middle which is a little raised at each side; there is a large obtuse elevation behind the centre of the disc. *Scutellum* transverse, raised, blackish. *Elytra* broader than the thorax at the base, which is curved towards the shoulders, from thence gradually curvedly narrowed posteriorly, with a small sutural notch between the apices; their surface uneven, with irregular series of comparatively small punctures, the explanate sides with large fossæ; not far from the suture there are six nodosities, two near the base, two larger ones on top of the hind slope, and two near the middle, there are two more on each side of the dorsum, and some small ones on other parts. *Legs* long; *tibiæ* straight, variegated.

This species may be known at once by its large size, and peculiarly-shaped, cordiform elytra. The hind slope is very gradual, and

the disc is not very convex, so that if the nodosities were away there would be no great difference of level.

Length,  $4\frac{1}{4}$ ; breadth,  $2\frac{1}{8}$  lines.

Mount Egmont. One, found by Mr. A. T. Urquhart.

2529. **S. dorsalis**, *n.s.* *Piceous*, antennæ, tarsi, and palpi red; densely covered with small scales, reddish, brown, and ochraceous, the last colour predominates near the shoulders and on the thorax.

*Head* rather narrow, impunctate. *Antennæ* with short yellow setæ, the last three joints with minute pubescence, third joint not twice the length of the second. *Thorax* rather narrow, widest at the middle, only about one-sixth broader than long, including the angles; anterior angles distant from the eyes, straight, not incurved as in *S. marginatus*, and extending as far as the front of these organs; the apical median emargination with raised lateral borders, there is a larger obtuse elevation behind the middle, the rest of the surface is rather flat, and there is the usual bare linear space on the middle; the sides are nearly straight in front, but they are a good deal narrowed and slightly incurved behind, the basal angles are rectangular. *Scutellum* transverse, nude and flat in the middle. *Elytra* twice as broad as the thorax at the base, which is curved towards the shoulders, from these to the hind thighs only very slightly narrowed, the apices obtuse, oblique towards the suture; disc convex, descending abruptly towards the explanate, coarsely-foveate sides, with four large tubercular elevations, two on top of the posterior declivity and two behind the middle, there are two smaller ones nearer the base, but still rather distant from it, and the surface generally is uneven, the punctuation is coarse but hardly at all serial. *Legs* reddish, more or less variegated with pallid setæ.

This, no doubt, is allied to *S. bullatus*, but the shoulders are not at all prominent; the elytral apices are rather broad, and the posterior tibiæ are distinctly incurved.

Length, 4; breadth, 2 lines.

Capleston. One, taken off a bramble by Mr. Cavell.

2530. **S. punctatus**, *n.s.* *Fuscous*, tarsi red, palpi rufo-piceous; covered with slender variegate scales, fuscous, ochraceous, and reddish.

*Head* broadly impressed. *Thorax* a little elevated at each side of the apical median emargination, more so behind the middle, the dorsal linear space nearly bare; the front angles extend to the front of the eyes, they are not very distant from them, and are a little incurved; the posterior angles are nearly rectangular, but, owing to a distinct sinuosity near each, at the base, they appear to be directed backwards; there is another basal notch in front of the scutellum, but not as wide as it is; it is widest behind the middle, the sides are quite sinuously contracted behind, but are nearly straight towards the front. *Scutellum* broad, the middle bare for one-third of the whole width. *Elytra* not twice the breadth of the thorax at the base, only a little curved towards the shoulders, these are raised, subtuberculate, but do not project outwardly; they are oblong, their

sides being nearly straight to beyond the hind thighs, the sides are explanate and foveate, and the margins are almost without undulations, the posterior declivity is oblique, there is a broad, but not deep, sutural notch between the apices; the disc has almost quite regular series of comparatively small punctures; there are two tubercular elevations close to the base, two behind the middle, and two on the summit of the hind slope; there are two small ones between these last, two near the apex, and two on each side of the dorsum. *Tibiæ* slightly flexuous, with dark and pallid scales.

*S. sylvius* is the nearest species, but it has not a notch before the scutellum; the basal sinuosity extends to the side, so that the hind angle of the thorax hardly extends as far back as the basal margin; the apices of the elytra are slightly prominent and nodiform, and the punctuation is much coarser but less easily seen than it is in *S. punctatus*.

*Underside* piceous, very evenly clothed; hind margin of prosternum a little incurved, the space between the front coxæ rather broad and flat; in *S. sylvius* it is slightly convex and narrower.

Length,  $4\frac{1}{4}$ ; breadth,  $2\frac{1}{8}$  lines.

Mount Egmont. One, found by me several years ago. The species are excessively rare, and cannot be properly described in half a dozen lines.

### Group—SALPINGIDÆ.

#### Salpingus (Gen., p. 398).

2531. *S. fossulatus*, *n.s.* *Shining*, castaneous, legs testaceous, sparingly clothed with erect greyish hairs.

*Head* irregularly punctate. *Antennæ* pale-chestnut, the last five joints moderately dilated, 7–10 subquadrate. *Thorax* slightly longer than broad, widest before the middle, its sides not much curved, and only moderately narrowed behind; it is finely, distinctly, but not closely punctured; near each side, between the middle and the base, there is a large oviform depression. *Scutellum* transverse, smooth. *Elytra* oblong, moderately convex, broader than the thorax at the base; striate-punctate, the sculpture obsolete behind. *Legs* elongate, the posterior *tarsi* with the basal joint as long as the next two, the second somewhat prolonged underneath the small third joint, claws well developed.

The fossa near each side of the thorax distinguishes this species.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Helensville, near Kaipara Harbour. Unique.

### Group—CEDEMERIDÆ.

#### Sessinia (Gen., p. 420).

2532. *S. longicornis*, *n.s.* *Elongate*, subdepressed, shining, pale-testaceous; elytra densely clothed with very fine, decumbent, pale-yellowish hairs.



*Head* plane or a little depressed in front, very finely and rather closely punctured; the forehead much narrowed and nearly truncate in front. *Thorax* very lightly punctured, uneven, widest before the middle. *Elytra* parallel-sided, wider than the thorax, apices sharply rounded; finely and closely punctured, each with two very narrow discoidal interstices, the outer a little raised near the base, so that there seem to be two elongate impressions behind the shoulder.

*Male*. Differs from *S. lineata* in some important details. The terminal joint of the maxillary *palpi* is, on the inside, distinctly longer than the penultimate, the external excision occupies quite one-half of the length. The *antennæ* reach backwards to beyond the hind thighs, whereas in No. 739 they extend only to between the intermediate and posterior femora. The hind legs are rather stouter, and the *tibiæ* are a little curved; the fourth joint of the front *tarsi* is rather shorter, whilst that of the posterior is narrower. *Abdomen*: Fifth segment deeply notched behind at each side of the middle, its central process twice as broad as that of *S. lineata*.

The whole insect is more glossy, of a paler yellow, it is without fuscous streaks, and the abdomen is more densely sculptured and pubescent. The eyes are large and prominent, and somewhat oblique, but only very slightly emarginate in front, so that their inner portion is shorter than the outer.

♂. Length,  $5\frac{1}{2}$ ; breadth,  $1\frac{3}{8}$  lines.

Capleston, Westland. Two males, found by Mr. Cavell.

*Obs.*—No. 1503, *S. nemoralis*. *Male*: Fifth segment of abdomen with two notches behind, its central process short and triangular; the lateral anal appendages of the sixth segment like those of a *Forficula*, but not exposed above.

No. 1411. *Male*: Fifth ventral segment broadly impressed, only bisinuate, not deeply notched, at the apex; in the female it is acutely rounded behind.

I possess two undescribed species—one found at the Manukau Harbour, the other at Capleston; but, as I have seen females only, I think it better to leave them unnamed until I get the males.

## Group—OTIORHYNCHIDÆ.

### Nicæana (Gen., p. 427).

2533. *N. tarsalis*, *n.s.* *Oblong-ovate*, nigro-fuscous, legs and antennæ obscure-red, club fuscous; densely covered with small, round, flat, grey scales, some nearly quite white, others very slightly infuscate; there are also erect setæ, those on the thorax are longer and darker than the others.

*Rostrum* normal, bearing long yellow hairs at the apex. *Thorax* transverse, a little constricted in front, its sides slightly rounded, the punctuation entirely concealed. *Scutellum* triangular. *Elytra* suboblong, wider than thorax, shoulders rounded; they are apparently feebly striate-punctate. *Legs* with grey scales and fine setæ; *femora* moderately slender, nearly nude on their inner face;

*tibiæ* flexuose, the anterior mucronate at the inner extremity, with a slender spiniform process there, the outer portion somewhat produced, so as to cover a large part of the basal tarsal joint; *tarsi* rather long, their first joint slender near the base, second subcordate, third moderately expanded and lobate, fourth very slender and elongate. *Scape* gradually incrassate, covered with fine, depressed, grey setæ, it attains the middle of the eye. *Funiculus* with erect, hair-like setæ, second joint shorter than the first, elongate-oval, 3-7 decrease in length. *Club* elongate, very acuminate.

*Underside* with small grey scales, and decumbent hair-like setæ. *Prosternum* incurved, the side, where the curvature begins, forms an obtuse angle. The front *coxæ* almost touch. The *metasternum* is shorter than the first ventral segment, which is truncate between the hind *coxæ*, second segment with oblique frontal suture, rather longer in the middle than the metasternum.

The species may be easily identified by the club and tarsi.

The *thorax* shows no trace of lateral margins; in front, rather low down, there is an extremely slight outward curvature, with longish flattened scales, this can hardly be called an ocular lobe. The *eyes* are not quite round in front. The *scrobes* are small.

I do not think it necessary to separate this species from *Nicæana* at present.

Length (rost. incl.), 2 lines; breadth,  $\frac{7}{8}$  line.

Ashburton. Mr. W. W. Smith kindly transmitted the only specimen he could find.

## Lyperobates.

*Nov. gen.*

*Rostrum* moderately short and broad, subparallel. *Scrobes* begin near the apex, where they are deep and open above, they become broad, and are directed towards the lower part of the eyes. *Mandibles* large. *Eyes* moderately distant from the thorax, more convex behind than in front, longitudinally ovate. *Scape* gradually thickened, not extending beyond the back of the eye. *Funiculus* 7-articulate, the two basal joints elongate; club elongate-oval, articulate. *Mentum* somewhat rounded and depressed, the peduncle short. *Thorax* widest near the front. *Scutellum* small. *Elytra* broader than the thorax, widest behind the shoulders, or at the top of the hind declivity, according to sex, shoulders oblique. *Legs* stout; femora clavate, widely notched and grooved below near the extremity; *tibiæ* flexuous, their inner apex acuminate; *tarsi* with bilobed third joint, their soles, except the elongate portion of the first joint, with longish hairs, quite different from the short dense clothing seen on the third joint of *Platyomida*. *Prosternum* truncate in front. Process of *mesosternum* rather narrow. Middle *coxæ* more approximate than in *Platyomida*; the anterior contiguous; the posterior distant, the suture between them curve. *Abdomen* gradually but considerably narrowed apically, second segment shorter than the first, the suture oblique towards each side, third and fourth short with deep, straight sutures.

Belongs to the first division of the group. There are no ocular lobes; the posterior corbels are cavernous, with outer and inner ciliæ; the mandibular scar is not very distinct.

2534. **L. asper**, *n.s.* Uneven, opaque, fusco-niger, antennæ and tarsi reddish, club opaque; densely covered with pale, sometimes yellowish, hair-like scales.

*Rostrum* shorter than the thorax, rather flat, broadly depressed near the eyes, with a fine, indistinct, central ridge in front, the middle longitudinally obtusely elevated, with a depression at each side, there is an elongate interocular fovea; its clothing more scale-like than that of the elytra. *Scape* covered with scale-like hairs and erect fuscous setæ. *Funiculus* sparsely pubescent, second joint slightly longer than the first, 3-7 longer than broad, narrowed near the base; club densely pubescent. *Thorax* usually rather longer than it is broad, widest near the front, only moderately narrowed behind, apparently impunctate, uneven, with a few minute black tubercles; there are generally two large impressions behind the middle, which is more or less irregularly, but only slightly, elevated. *Elytra*, at each side, behind the shoulder, and on top of the posterior declivity, with an obtuse prominence, the middle appears to be incurved but bears a small nodosity, apices nearly vertical; the sides are inflexed and coarsely punctured; the base is incurved at the middle, on each side of this there is a more or less evident elevation; there is an oblique, interrupted, generally distinct, raised space behind the middle from the side to the suture; between the lateral prominences, on the top of the declivity, there are two small nodosities; the disc is uneven, with coarse irregular punctures, near the suture some minute black tubercles may be seen; the raised parts bear coarse squamiform setæ.

*Underside* with yellowish, slender scales or setæ, mostly depressed, some longer than the others. *Head* nude, densely finely strigose, in front with a very large broad depression having a short groove in the middle. *Metasternum* short, unevenly raised, with a median fovea behind.

Length (rost. incl.), 4; breadth,  $1\frac{1}{2}$ - $1\frac{3}{4}$  lines.

*Maketu.* A dozen specimens were found amongst decaying leaves during seven visits to the locality.

### **Notiopatæ** (Gen., p. 1186, Part V.).

2535. **N. sternalis**, *n.s.* Subopaque, piceous, legs obscure fusc-rufous, antennæ and tarsi reddish.

*Rostrum* shorter than the thorax, indistinctly carinate, with minute scales and erect fuscous setæ; the scrobes quite open above. *Scape* red at the base, opaque elsewhere, with erect setæ; second joint of the funiculus rather shorter than the first. *Thorax* widest near the front, a little uneven; its clothing slender, hair-like, and yellowish, not regularly distributed but forming little patches. *Elytra* closely applied to the thorax, broader than it is, cordate; with series of moderately coarse punctures, which form striæ behind;



they bear erect fuscous setæ, and minute brassy setæ or scales, these are peculiar, as, when carefully examined, they seem to have two minute hairs proceeding from them.

Resembles *N. setifer*, but easily distinguished therefrom on a comparison of the undersurface. The *prosternum* is similarly emarginate, but the front *coxae* are slightly closer; the middle pair, however, are rather further apart; the metasternal *process* is sharply truncate; the two basal segments of the *abdomen* are broader, and are clothed with brassy, hair-like, depressed scales, and, instead of a curvate suture, this species has it oblique towards each side, the third and fourth are less abbreviate.

The position I assigned to the genus is now proved to be the correct one. I possess one example with one of the supplementary mandibles still adhering.

There is no ocular lobe, and the corbel of the hind tibia is not cavernous.

Length (rost. incl.),  $1\frac{1}{2}$ – $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Maketu, Hunua Range. Seven individuals. In one the minute scales are somewhat concentrated near the top of the hind declivity, the claws are rather long and slender, and the thorax is irregularly punctured.

### **Pælocharis** (Gen., p. 1187, Part V.).

2536. **P. vestita**, *n.s.* *Convex*, broad, fusco-rufous, legs testaceous, antennæ pale-reddish.

*Rostrum* short and thick, with an indistinct central line, its clothing smaller and paler than the conspicuous yellow hairs on the head. *Thorax* transverse, base and apex truncate, its sides only moderately rounded; its surface irregularly but not closely punctured, with bright fulvous depressed hairs, and a few erect fuscous setæ. *Elytra* rather broader at the base than the thorax, still broader near the middle, the shoulders and sides rounded, the apex almost perpendicular; they bear series of rather coarse punctures, the declivity is substriate; near the middle they are clothed with fulvous, small setæ, near the sides the setæ are paler and unevenly distributed.

Very much like the typical species. The *scape* is thicker; the elytral punctures are coarser and less regular and much concealed by the more conspicuous clothing; the apex of the *rostrum* is marked off by oblique sutures; the *legs* are comparatively slender; the mandibular *scar* is distinct; the *abdomen* bears depressed, brassy hairs, and its two basal segments are slightly convex.

Length (rost. incl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{4}$  line.

Maketu, Hunua Range. One individual only.

### **Catoptes** (Gen., p. 428).

2537. **C. vastator**, *n.s.* *Oblong-oval*, piceous; densely clothed with small, round, flat, greyish scales and pale setæ; legs obscure-reddish, antennæ ferruginous.

*Rostrum* of moderate length, with a central carina. *Thorax* rather broader than long, widest near the front, very slightly uneven, without distinct punctures. *Scutellum* minute. *Elytra* a little wider than the thorax at the base, rather feebly curvate laterally; striate-punctate, the interstices with numerous minute punctures, the third and fifth slightly raised, the third distinctly, the fifth slightly, nodose on top of the declivity, the suture somewhat elevated behind. *Tibiæ* flexuous. *Tarsi* stout, second joint transverse, third expanded, with broad lobes.

*Scape* very gradually thickened, with fine setæ, it just reaches the back of the eye. *Funiculus* with grey hairs, second joint only a little shorter than the first, hardly one-third. *Club* large, ovate. *Scrobes* small, almost foveiform. *Eyes* a little oblique, evidently broader above than below, almost quite lateral. *Ocular lobes* broad.

A number of species have been placed in *Catoptes*. Some do not agree exactly with the type (*C. obliquisignatus*); this is another such form.

Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Fortrose, Southland. Professor Hutton forwarded a specimen, along with a varietal form of *Platymida perniciosa* (No. 779). These insects, he informed me, were doing a great deal of damage to the turnip crops.

### **Inophlœus** (Gen., p. 439).

2538. **I. suturalis**, *n.s.* Opaque, piceous, densely covered with very small, depressed, dark- and pale-brown scales, the latter most apparent along the middle of the elytra; there are also some more or less erect setæ; antennæ and tarsi obscure-red.

*Rostrum* with a central carina, each side sharply defined, the apex finely and closely rugose. *Thorax* very slightly broader than long, widest before the middle, slightly constricted in front; the surface very finely punctate, a little uneven and rugose. *Scutellum* suboblong, small, flavescent. *Elytra* with rounded shoulders, their widest part behind these, yet only very little wider there, the sides gradually narrowed backwards; disc nearly plane, with series of rather distant punctures; the sutural region is so prolonged posteriorly as to extend almost as far as the simple apices; third and fifth interstices a little elevated, but terminating as distinct nodosities on the top of the declivity. *Legs* clothed with scales and setæ.

The *scape* reaches the back of the eye, it is rather slender, and is covered with depressed yellowish hairs, and erect, slender, fuscous setæ. *Funiculus* elongate, second joint about one-third shorter than first, 3-7 decrease in length, all longer than they are broad; with slender outstanding setæ; *club* elongate, four-jointed, pubescent.

Easily recognised by the horizontally-prolonged elytral suture.

Length (rost. incl.),  $4\frac{3}{4}$ ; breadth,  $1\frac{3}{4}$  lines.

Port Hills, near Christchurch. Described from a broken specimen found by Mr. H. Suter on the 24th January, 1892.

**Geochus** (Gen., p. 445).

2539. **G. squamosus**, *n.s.* *Shining*, sparsely clothed with yellow, depressed, narrow, almost hair-like, scales, and, on the hind part of the elytra, there are semi-erect ones; thorax and legs pale reddish-chestnut, elytra fuscous, antennæ fulvous.

*Rostrum* obscure-red, indistinctly punctate and carinate, nearly plane, narrowed behind. *Thorax* constricted and much narrowed anteriorly, base subtruncate; distinctly, moderately finely, and not closely punctured, the linear dorsal space almost smooth. *Elytra* finely margined at the base, widest behind the shoulders, their sides obtuse (*id est*, not sharply limited); they are regularly sub-striate-punctate, the punctures of only moderate size, the apical sculpture finer and more striate, on the disc the punctures appear to be separated by slight transverse elevations extending right across each elytron, but leaving the suture smooth; interstices gradually, but only very slightly, raised backwards, without nodosities. *Legs* with yellow setæ, erect on the tibiæ; anterior tibiæ obliquely cut away beyond the middle.

*Antennæ*: Scape flexuous, rather abruptly clavate at the extremity; funiculus elongate, the first joint evidently thicker, but not much longer, than the second, 3-6 nearly bead-like, seventh larger; club large, the basal joint distinctly marked off from the larger second one, only half its width, the apical joints narrow.

*Underside* on nearly the same plane throughout, the suture between the hind coxæ slightly curved; the metasternum and first ventral segment with distinct punctures, each puncture with a minute seta, third and fourth segments transversely carinate, the suture between the first and second broad, slightly curved, deeper at the sides.

This is the only species except No. 1239 in which the clothing becomes squamiform and depressed.

Length (rost. incl.),  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{2}$  line.

Maketu, Hunua Range. Three examples.

2540. **G. tibialis**, *n.s.* *Subopaque*, fuscous or piceous, the middle of the thorax and the hind part of the elytra often of the same obscure-red as the legs, antennæ fulvescent, club fuscous; very sparingly clothed with pale setiform hairs.

*Rostrum* short, much narrowed behind, subcarinate near the sides. *Thorax* a good deal narrowed anteriorly, not distinctly constricted there; moderately finely and not closely punctate. *Elytra* broadest behind the middle, the basal margin sometimes thickened and directed obliquely towards the suture; the sides gradually widened from the base backwards, only slightly curved, rather sharply and regularly limited, so as to appear marginated; without nodiform elevations, striate-punctate, not always well defined, usually shallow, interstices very minutely punctured; the parts near the sides somewhat flattened. Anterior *tibiæ* curved on the inside, very prominent on the outer face above the middle, the middle pair less so.



*Underside* nearly plane throughout, nearly nude, rufo-piceous, densely and minutely sculptured, and with some shallow punctures on the breast and basal segments of the abdomen; the suture between the first and second segments nearly straight, very fine on the middle.

Distinguished from the previously-described species by the sharply-defined sides of the elytra.

Length (rost. incl.),  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{2}$  line.

Capleston. Six; some not in good condition. Found by Mr. Cavell on the ground amongst leaves.

2541. **G. marginatus**, *n.s.* *Variegate*, rufo-castaneous, a large space along the side of each elytron piceous, antennæ yellowish, club fuscous; sparingly clothed with yellowish or greyish setæ, some of which are erect.

*Rostrum* short, contracted towards the eyes, reddish, indistinctly ridged near the sides. *Thorax* much narrowed towards the front; distinctly, rather finely, but not closely punctured, the base subtruncate. *Elytra* gradually expanded to just beyond the hind thighs, where they are widest, their sides almost regularly margined; they are striate-punctate, the sculpture, however, not always regular; the two external interstices, at the widest part, somewhat raised and nodose. Front *tibiæ* moderately prominent on the outside, at the middle, nearly straight on the inside; the prominences on the intermediate pair placed lower down; the posterior, near the extremity, outside, with specks of bright-yellow setæ; the legs bear rather fine setæ.

*Underside* subopaque, the breast and basal segments piceous, the others red and finely sculptured, the rest of the sculpture consists of distant, shallow punctures; there is very little pubescence. The *metasternum* is raised across the middle. The suture between the basal ventral segments is fine and a little curved.

Differs from *G. tibialis* by the raised interstices near the sides of the elytra.

Length (rost. incl.),  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{2}$  line.

Mount Pirongia. One pair, found amongst decaying leaves by Mr. A. T. Urquhart.

2542. **G. frontalis**, *n.s.* *Subopaque*, sparsely clothed with very minute setæ, placed chiefly on the thorax, which is pitchy-red, elytra piceous, legs obscure infusate-red, antennæ and tarsi yellowish.

*Rostrum* nearly plane above, closely and finely sculptured. *Thorax* widely curved at the base, the anterior half rather abruptly contracted, depressed across the middle, minutely sculptured, and with numerous distinct but shallow punctures. *Elytra* rather flat above, rather wider before the middle than elsewhere, the base widely incurved; the sutural series of punctures are regular, the others are not; third and fifth interstices elevated at the base, the second, third, fourth, and fifth raised behind, the nodosities on the

second are placed immediately below the top of the posterior declivity, the others are just on the top. *Legs* rather long and closely sculptured; the front tibiæ a little curved outside and narrowed apically, without prominences, the others simple, with a few erect setæ. The basal joint of the *club* is as long as the second, but only half its breadth. *Eyes* rotundate.

This is the only species in which the thorax is suddenly contracted in front.

Length (rost. incl.), quite 1; breadth,  $\frac{5}{8}$  line.

Maketu, Hunua Range. Unique.

2543. *G. nigripes*, *n.s.* *Shining*, piceous, the apex and middle of thorax reddish, antennæ testaceous, club dark-fuscous; with very few, slender, scale-like hairs.

*Elytra* rather flat above, widest in line with the top of the posterior declivity, behind that point so narrowed as to appear triangular.

This resembles *G. marginatus* more than any other species; the nearly black legs and *tarsi* distinguish it.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{1}{2}$  line.

Pirongia. One; Mr. Urquhart.

## Group—RHYPAROSOMIDÆ.

### *Phrynixus* (Gen., p. 432).

2544. *P. humeralis*, *n.s.* *Piceous*, antennæ and tarsi pitchy-red; squamosity variegate, mostly obscure fusco-rufous; on the thorax the scales are rather depressed and coarse; those on the elytra are much finer, more especially near the suture, on the raised parts they are coarser, more erect, and setiform; on each elytron there is a curved, interrupted elevation extending from the shoulder to the suture, this consists principally of greyish setæ.

*Rostrum* elongate, tricarinate in front, there are two small tufts above just behind the scrobes, two smaller ones in front, and a larger one before the eyes is usually prolonged forwards. *Eyes* oblique, broadly oval. *Scape* attaining the back of the eye, clavate apically. *Funiculus* with the second joint almost as long as the first, 3-6 transverse, seventh larger than sixth; *club* short, ovate, pubescent, feebly articulated. *Thorax* about one-fourth longer than broad, a little narrowed towards the front, base medially depressed; its punctuation concealed, there are two frontal crests, one near each side, more or less prolonged backwards, with some pallid setæ, there is a smaller one on the middle. *Elytra* suboblong, the base depressed and feebly bisinuate in the middle, the shoulders therefore seem prominent, though not exceeding the thorax in width, the apex is nearly vertical; on each elytron there are two nearly regular rows of moderately coarse punctures, the others are irregular; the third and fifth interstices are crested behind, the former on the top of the declivity, the latter lower down; there are several smaller in-

equalities on the dorsum and sides, the apical portion is substriate. There are a few minute black tubercles here and there. *Legs* stout; *tibiæ* rather broad, mucronate.

*Abdomen* opaque, blackish, with but few punctures and scales, the suture between the two basal segments obliterated; metasternum concave between the coxæ.

I place this species in *Phrynixus*, although the antennæ are implanted just before the middle of the rostrum. A considerable number of specimens have been reviewed lately, belonging to described and undescribed species, and I think that if Mr. Pascoe had had the same opportunity of comparing the varied forms he would not have added his genus *Erymneus*.

Length (rost. excl.),  $2\frac{1}{8}$ – $2\frac{1}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Maketu, Hunua Range. Two examples, amongst fallen leaves.

2545. **P. brevipennis**, *n.s.* *Piceous*, antennæ and tarsi pitchy-red. This species, in most respects, is like *P. humeralis*, but there is one obvious and important difference, besides minor ones.

The *elytra* are distinctly broader than the thorax, they are quadrate; the interrupted humeral elevations are formed by yellow setæ, and inside these, at the base, there are two other raised spaces; the posterior tufts are larger, the smaller elevations behind the middle are more numerous, and the punctures are larger and further apart. There are five distinct tubercles or tufts on the *rostrum*. The *eyes* are nearly rotundate, but not quite as far from the thorax.

*Underside* black; the suture between the two basal segments of the abdomen is oblique towards the sides, deep there, but very fine near the middle.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth, 1 line.

Maketu. One.

2546. **P. cedi**, *n.s.* *Subovate*, piceous, antennæ and tarsi obscure-red; the squamosity variable, from pale reddish-brown to tawny.

*Rostrum* arched, not broad, slightly contracted behind the scrobes; there are two small crests before and two behind the antennal insertion, and a longer one near the base. *Funiculus* with the second joint about as long as the first, but more slender, 3–6 transverse, seventh larger. *Thorax* subquadrate, irregularly but not closely punctured, the middle, near the base, depressed; there are two apical tufts, and three across the middle. *Elytra* widest behind the middle, apex vertical, base depressed, but not emarginate, at the scutellar region, the humeral angles not really prominent though the coarse setæ cause them to appear as if they projected forwards; there are two basal longitudinal elevations, besides those on the shoulders; the third interstices are prominent, crested on the top of the declivity, the fifth lower down, the normal condition in this genus, there are also some smaller inequalities on



the disc and the sides; the series of punctures are more or less irregular, none are large, the declivity is substriate.

*Abdomen* piceous, sparsely punctate, with a longitudinal depression down the middle, deepest near the apex of the basal segment, the suture between the first and second segments is obsolete.

Should be placed near *P. rufipes*, which, however, has four or five tubercles behind the middle of the thorax, and the fourth tarsal joint a good deal larger. When compared with *P. astutus* it will be seen that this is narrower, the eyes are more approximated above; the tarsi are shorter and narrower, their second joint is strongly transverse, and the third is rotundate; the tibiæ are more acutely mucronate.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Maketu. One; also two varietal forms not examined on the undersurface.

### **Erymneus** (Gen., p. 435).

2547. **E. crassipes**, *n.s.* *Elongate*, subpyriform, uneven; piceous, antennæ and tarsi pitchy-red; covered with coarse, depressed, obscure infusate-red scales, and yellowish sappy matter.

*Rostrum* elongate, much longer than the thorax, parallel in front, slightly narrowed behind; in front of the eyes there is a rather large prominence. *Antennæ* rather slender, covered with minute, depressed brassy setæ; scape slender, clavate near the extremity; *funiculus* with the second joint quite as long as the first, both elongate, 3-6 quite as long as they are broad, seventh distinctly larger; *club* short, ovate, feebly articulated beyond the middle. *Thorax* longer than broad, narrowed anteriorly, uneven, its punctuation hidden; with two longitudinal squamose ridges in front, between these there is a slight linear elevation, this part and the base at the middle are depressed. *Elytra* not wider than the thorax at the base, the scutellar region depressed and emarginate, they are oviform, the sides, however, owing to the tufts of coarse setæ, are irregular in outline; on the disc there are series of large punctiform impressions, the three nearest each side of the suture are tolerably regular, the others are not, the hind declivity is more finely punctured; there are four longitudinal basal elevations with yellowish setæ, six somewhat rounded ones on the dorsum, two of which are near the suture, four at the top of the declivity, the inner pair small, and at each side, nearly halfway down the posterior slope, there is a large tuft; the scales and setæ are on the raised parts, the sappy matter on those that are depressed. *Legs* stout, covered with squamæ and coarse curled setæ of a tawny colour, tibiæ unusually broad.

*Underside*: *Rostrum* grooved and carinate; the *breast* densely covered with tawny, sponge-like squamosity; *abdomen* opaque, piceous, sparsely clothed with decumbent, elongate, reddish scales, the first segment on a higher level than the second, which, in front, is medially depressed, and quite the length of the first; mesosternal process slightly raised.

*Eyes* broadly-oval, oblique. *Antennæ* inserted at, rather than before, the middle. *Scape* just reaching the eye.

This is the finest known species. Its nearest allies are Nos. 2131 and 2391: from these it is easily separated by looking at the tibiæ.

Length (rost. excl.),  $3\frac{1}{8}$ ; breadth,  $1\frac{3}{8}$  lines.

Maketu, Hunua Range. One specimen.

2548. **E. firmus**, *n.s.* *Piceous*, antennæ and tarsi pitchy-red; squamosity infusate-red, not coarse, depressed parts with pale sappy matter.

*Rostrum* elongate, tricarinate in front; before the eyes with a moderately-raised elongate crest or ridge, on the head there are two small yet longitudinal ridges. *Antennæ* clothed like those of *E. crassipes*, second joint of the *funiculus* slightly longer than the first, 3-6 not longer than broad, somewhat bead-like, seventh larger than sixth. *Thorax* very slightly longer than broad, its sides slightly curved, not contracted anteriorly, its coarse irregular punctures concealed; there are three distinct, longitudinal, squamose elevations, those near the sides are oblique and reach the base, the central extends to the basal depression, which, at each side, is bordered with squamæ. *Elytra* oblong, their sides not obviously curved, of irregular outline, owing to the nodosities or patches of squamosity, the middle of the base deeply emarginate and depressed, the shoulders very little wider than the base of the thorax; the sutural rows of coarse punctures are regular, the others are not, the declivity is almost punctate-striate; near each side, at the base, there are three elongate, squamose ridges, the central is the longest but least elevated at the base; behind the middle there are two elevations directed obliquely backwards from the suture, each consisting of two parts; on top of the posterior declivity there are four tufts, the inner two much smaller than the outer, there is a larger one lower down on each side; the squamosity for the most part is disposed longitudinally, most evidently so along the suture, there are a few minute black tubercles above. *Legs* stout, densely clothed.

*Underside*: *Rostrum* not carinate. *Process* of mesosternum not raised. *Abdomen*: Second segment more convex than the first, with a large depression along its frontal suture, the apical supplementary segment scooped out.

*Eyes* broadly-oval, oblique. *Antennæ* inserted just before the middle of the rostrum.

Length (rost. excl.),  $3\frac{1}{8}$ ; breadth,  $1\frac{3}{8}$  lines.

Maketu. One.

VAR.—The oblique elevation on the middle of the elytra not duplicate, but there is a smaller one near each side directed longitudinally.

## Lithocia.

*Nov. gen.*

This genus is most nearly related to *Phrynixus*, from which it differs as follows:—

The *scrobe*, though foveiform, is quite open above and expanded. The *tarsi* are sparsely pilose instead of being squamose, their third joint is not only excavate above but is also emarginate at the apex. The *metasternum* is rather longer, so that the middle and hind legs are further apart. The second segment is distinctly marked off from the first by oblique lateral sutures, it is on a lower plane, nearly nude and polished, and thus forms a marked contrast with the rest of the *abdomen*. The *thorax*, instead of being narrowed anteriorly, is just the reverse, its widest part being near the front. The *body* is only sparingly clothed.

2549. **L. fimbriata**, *n.s.* *Subopaque*, piceous, thorax reddish; legs obscure infuscate-red, clothed with erect, fuscous, conspicuous setæ; tawny elongate hairs form a thick fringe on the sides of the thorax, as well as two frontal crests; on the elytra there are two crests on the top of the posterior declivity, and one lower down at each side, sometimes other small patches occur.

*Rostrum* elongate, arched; in front slightly broader, rather flat, and tricarinate; before the eyes there is a distinct small yellowish crest. *Thorax* a little broader than long, widest near the front, the sides behind the middle nearly straight but a little narrowed, its apex slightly constricted; disc rather flat, very irregularly punctured, more finely (on some parts nearly smooth) near the sides. *Elytra* subcordate, their shoulders rounded, so that they do not exceed the thorax in width at the base; they bear series of coarse punctures, on the declivity the punctures are finer and almost form striæ; the third and fifth interstices are a little elevated longitudinally at the base, the scutellar region appears somewhat depressed, the dark erect setæ resemble those on the legs, and the paler clothing often forms smaller patches than those described above. *Legs* long, femora clavate; tibiæ flexuous, mucronate; tarsi with short yellow hairs. *Antennæ* implanted at or just before the middle of the rostrum; *scape* moderately thickened, setose; *funiculus* with slender setæ, the second joint shorter than the first, 3-6 broader than long, seventh larger than sixth; *club* ovate, indistinctly articulated.

*Underside* more or less infuscate and punctate, the sternum covered with tawny matter; the second segment of the abdomen, in the middle, longer than the first, smooth and polished, almost black, the fifth closely punctured.

Length (rost. excl.),  $1\frac{3}{4}$ -2 lines; breadth,  $\frac{7}{8}$  line.

Maketu, Hunua Range. A good series. The insect lives amongst stones and boulders.

## Dacnophylla.

*Nov. gen.*

*Rostrum* shorter than the thorax. *Scrobes* oblique, extending from near the apex to below the eyes, less open above than in *Clypeorhynchus*, so that the *rostrum*, at the antennal insertion, is



less pterygiate. *Eyes* broadly-oval, oblique. *Thorax* widest near the front, without ocular lobes. *Scape* thick, not clavate, but very gradually incrassate, flexuous, reaching the front of the thorax. *Club* small, four-jointed. *Legs* stout.

These characters distinguish this genus from *Clypeorhynchus*.

2550. **D. setosa**, *n.s.* *Convex*, medially narrowed, not broad; subopaque, fuscous, antennæ and apex of rostrum reddish; femora shining, of a yellower red than the tibiæ; body clothed with fulvescent scale-like hairs and erect infusate setæ, the legs and scape conspicuously setose.

*Rostrum* finely punctate in front, where it is shining. *Antennæ* stout; second joint of the funiculus shorter than the first; club finely pubescent. *Thorax* rather longer than broad, base subtruncate, it is widest near the front, and a good deal, but not suddenly, narrowed behind, the surface is irregularly punctate and a little uneven. *Elytra* cordiform, not short, the base of the same width as the thorax; they are apparently rather deeply sulcate, the grooves, however, are not of uniform depth, yet not distinctly punctate. *Legs* robust, tibiæ slightly flexuous; tarsi rather short, third joint bilobed, soles hairy.

*Underside* somewhat glossy, reddish, the coxæ of the same colour as the thighs; clothed with yellow hairs, more or less evidently punctate. *Metasternum* and two basal segments of *abdomen* somewhat depressed, the suture between these segments nearly quite straight.

Male with a sixth segment, which, in the middle, has a deep transverse depression.

The *clothing* of the hind-body is subject to variation, some of the hairs are fuscous, others greyish, some of the finer depressed hairs have a tendency to form transverse lines. The elytral interstices are somewhat irregular, and the derm is sometimes reddish.

Length (rost. incl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Maketu, Hunua Range. Three specimens. The insect subsists on fallen leaves.

### **Bantiades** (Gen., p. 1371, Part VI.).

2551. **B. valgus**, *n.s.* *Robust*, broad, convex, opaque, piceous, legs rufo-fuscous, antennæ and tarsi reddish; densely clothed with more or less depressed, reddish-brown, hair-like scales, the legs and rostrum with erect fuscous setæ.

*Rostrum* arched, parallel, longer than the thorax, indistinctly tricarinate. *Scape* short, barely touching the eye, gradually incrassate, setose; *funiculus* with the first joint longer than the second, seventh a little larger than the sixth; *club* ovate, apparently entire, in reality with three joints, the two apical defined by minute pubescence. *Thorax* about as long as broad, its frontal portion about half the width of the basal; the sides, behind, straight or nearly so, but with two or three tufts of setæ; on the middle there is an ill-defined longitudinal ridge, the

punctuation is indistinct but not coarse, it is a little uneven, with small spots of concentrated setæ. *Elytra* subcordate, base emarginate, the humeral angles extend a little forwards beyond the base of the thorax, the declivity nearly perpendicular and rather narrow; they bear series of coarse punctures, which, however, are usually concealed, the declivity is substriate; there are two distant, slightly (anteriorly) prolonged elevations at the base, which therefore appears trisinuate, the sides are uneven; there are two moderate elevations on the top of the posterior declivity, besides five or six others on each elytron, two patches near the middle bear yellow setæ. *Femora* clavate, each with a very prominent dentiform projection underneath; *tibiæ* much curved on the outer face, above the middle, the front pair on the inside, near the middle, considerably dilated, the apical hook proceeds from the outer angle; *tarsi* with the third joint bilobed.

*Underside* opaque, fuscous, with some yellow hair-like scales, fifth ventral segment red. *Prosternum*, in front, for half its width, deeply and abruptly emarginate, the space between this and the coxæ is depressed; coxæ (anterior) distinctly but not at all widely separated. The two basal segments of the *abdomen* are connate, an oblique depression towards each side marks the line of union, the first is depressed between the hind coxæ.

This is a remarkable insect, very different from the typical species in general outline.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth, 1 line.

Mount Pirongia. Two specimens, brought amongst leaf-mould by Mr. A. T. Urquhart.

### **Chamæpsephis** (Gen., p. 1206, Part V.).

2552. **C. flavipes**, *n.s.* *Elongate*, medially narrowed; *elytra* fuscous, thorax and rostrum more rufescent, femora testaceous, *tibiæ* more infusate, antennæ obscure-reddish; sparingly and irregularly clothed with minute, depressed, scale-like setæ and with some longer erect ones, these latter form a small crest before the eyes, and several on the *elytra*, they are all quite yellow.

*Rostrum* rather longer than the thorax, slightly expanded in front, moderately arched, indistinctly bicarinate, punctate, nearly smooth at the apex. *Antennæ* implanted before the middle; scape rather short, flexuous, clavate at apex, not setigerous; first joint of the funiculus a little thicker but not longer than the second, 3-6 short and compact, seventh distinctly larger; club large, narrower than the seventh joint near the base, without distinct articulations. *Eyes* almost rotundate, free, rather large. *Thorax* rather longer than broad, widest near the middle, base and apex truncate, irregularly punctured. *Elytra* nearly cordiform, closely applied to the thorax, and of the same width at the base, broadest before the middle, the suture depressed at the base; they have series of quadrate punctures, but the sculpture becomes finer and striate behind; on the top of the declivity, on the second interstices, there are two small tufts, and there are others behind and near the sides. *Legs*

stout, femora clavate but slender near the base; *tibiæ* a little bent, the anterior distinctly arched beyond the middle, the inner extremity mucronate; the setæ on the legs are short; *tarsi* short, their second joint transverse, the penultimate sublobate.

This is a much narrower insect than *C. aurisetifer*; the eyes are rather larger; the head is more immersed; the scape is not so slender at the base; the funiculus is somewhat different; the scrobe is foveiform, but a shallow lateral groove extends to the eye. Notwithstanding these differences I think the two species may be placed together, at any rate for the present.

Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Pirongia. A solitary specimen; another of Mr. A. T. Urquhart's leaf-mould novelties.

2553. *C. thoracicus*, n.s. *Subovate*, not narrow, subopaque; elytra and *tibiæ* fuscous, thorax and beak reddish, femora more or less testaceous, the antennæ of a paler red than the tarsi; the clothing irregularly distributed, consisting of very small, scale-like yellow setæ.

*Rostrum* longer than the thorax, parallel, arched, closely and finely punctured in front, bicarinate behind. *Antennæ* inserted before the middle. *Scape* slender, its apex clavate, with minute yellow setæ. Second joint of the *funiculus* as large as the first, if not larger, 3-6 shorter, each a little broader than its predecessor, seventh a good deal larger than the sixth; club ovate. *Thorax* as broad as it is long, the middle of the base depressed, widest at the middle, slightly rounded there, more narrowed in front than behind, base truncate, apex slightly incurved; its surface a little uneven, the punctures rather small and irregular, so that there is a smooth space on each side of the middle in front. *Elytra* ovate, base subtruncate, with a very slender margin across the middle, where it is depressed; the sides very slightly curved, widest at, or behind, the posterior femora; they have series of rather shallow, not closely placed, punctures (sometimes with slightly-raised transverse intervals), there are two such rows, on each elytron, near the suture, those beyond are irregular; in line with the fourth and fifth interstices there are two large but only slightly-raised spots covered with small setæ, a third one, placed further back and nearer the side, bears coarser setæ; just before the top of the declivity, which is not at all abrupt, the setæ are more concentrated, and they form small spots on the slope itself. *Legs* sparsely setose.

The head is much smaller than it is in *C. aurisetifer*. The inner extremity of the front *tibiæ* is not perceptibly produced and acute, as it is in *C. flavipes*, which is of different form. Although this does not agree exactly with the typical species, I fail to find good distinguishing generic characters.

The incurved thoracic apex is distinctive.

Length (rost. excl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Pirongia. One, picked out of leaf-mould brought by Mr. A. T. Urquhart.



2554. **C. obscurus**, *n.s.* Differs as follows from *C. thoracicus*: The eyes are only separated by a small patch of yellow setæ, so that they are more approximated than in any other species. The head is immersed up to the eyes, and it is evidently very narrow. The second ventral segment equals the first in length. The thorax is rather more contracted in front, and its apex is truncate. In *C. thoracicus* there is a difference of level between the basal and anterior portions of the rostrum at the antennal insertion; this mark is wanting in *C. obscurus*. In *C. thoracicus* the suture between the first and second segments is fine and slightly curved; the latter is impunctate, the former has a round depression behind, and it is longer than the other.

Length (rost. excl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{5}{8}$  line.

Mount Pirongia. One, another of Mr. Urquhart's captures.

### Phronira.

*Nov. gen.*

*Rostrum* cylindrical, subparallel, arched, very slightly thickened towards the base. The *scrobes* begin about one-third of the length from the apex, oblique, when they reach the head they are separated below by a narrow space only. *Eyes* transverse, oval, placed in front of the head at the sides of the rostrum, flat, just uncovered. *Scape* flexuous, its extremity incrassate and hardly attaining the eye. *Funiculus* 7-articulate; first joint longer and thicker than the second, 3-7 become broader. *Club* ovate, with minute apical joints. *Thorax* about as long as broad, constricted in front, base subtruncate; the sides, in front, incurved, the angle of the prosternal depression is obtuse, and, in repose, covers the eye. *Scutellum* invisible. *Elytra* rather broader than the thorax at the base, so that the shoulders overlap the basal angles of the thorax, they are narrowed and abruptly bent down behind. *Femora* grooved at the extremity underneath. *Tibiæ* flexuous, with well-developed apical hooks. *Tarsi* short and narrow, their third joint but little expanded, entire below, excavate above, fourth joint moderately slender, hardly as long as the preceding three; claws small.

*Prosternum* abruptly and deeply emarginate in front (as in *Bantiades*), depressed between this and the coxæ; the raised curved margins extend to the coxæ, they are continued inside these, and form a more or less distinct border just behind them; this depression cannot be called the pectoral canal as understood when referring to the *Cryptorhynchidæ*, as it is incapable of receiving the rostrum, and does not reach the base of the prosternum. Front *coxæ* distinctly separated. *Mesosternum* extremely short. *Metasternum* sharply truncate between the middle coxæ; these not so far apart as the hind pair. *Abdomen* large, the suture between the hind coxæ bisinuate, or nearly truncate, basal segment sometimes twice as large as the second, the suture between these latter often obliterated in the middle; third and fourth very short, with straight deep sutures.

This genus should be placed near *Bantiades*.

2555. **P. nodosa**, *n.s.* Broad, subovate, subopaque, piceous, antennæ and tarsi reddish; sparsely clothed with yellowish-red setæ.

*Rostrum* about as long as the thorax, feebly tricarinate, its apex red. The *scape* with a few erect yellow hairs. *Thorax* about as long as it is broad, rather suddenly constricted and depressed in front; the sides nearly straight behind; its surface coarsely, closely, and rugosely punctured, on the middle there is usually a raised line which terminates in a basal depression. *Elytra* rather broader than the thorax, not twice its length, their sides but little rounded, posterior declivity nearly vertical; they are striate-punctate, the punctures distant and sometimes shallow, the declivity quite striate; base sinuous, with two nodose elevations, on the third interstices, the shoulders anteriorly produced and nodiform; fifth interstices distinctly, the fourth indistinctly, nodose between the middle and the base; on the summit of the declivity the third and fifth are a little elevated or nodose; the setæ are slender and erect, they are almost entirely confined to the elevated parts and the apical portion. *Legs* with short grey setæ.

*Underside* slightly shining, rufo-piceous; fifth ventral segment red, finely and closely punctured; the punctuation of the metasternum closer and coarser than that of the second segment; with short greyish setæ. The sides of the *metasternum* raised and laterally produced between the middle and hind coxæ. Second segment as long as the metasternum, its frontal suture fine and sinuous. Front coxæ widely separated.

Fem. *Rostrum* finely sculptured, pitchy-red; antennal insertion near the apex, one-third of the length.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{5}{8}$  line.

Maketu, Hunua Range. Four individuals, amongst leaves. To this genus Nos. 1222, 1223, 1224, 1225, and 1226 must be added. No. 1227, I think, must be referred to a distinct genus, as the anterior coxæ are nearly contiguous.

## Sosgenes.

*Nov. gen.*

*Body* cylindrical, slightly narrowed medially, nearly glabrous, there being only a few minute setæ, the depressed parts with scale-like matter. *Rostrum* subparallel, only slightly thickened behind, slightly contracted, or pinched-in, at the base; its frontal portion smooth and shining, and abruptly marked off from the opaque sculptured portion. *Scrobes* deep, beginning at the smooth part, and extending below the sides to the front of the head, they become broader behind. *Scape* very gradually thickened, barely attaining the front of the head. *Funiculus* 7-articulate, first joint nearly twice the length of the second, but little thicker; third slightly longer than broad; 4-7 more or less transverse, scarcely at all dilated. *Club* comparatively large, ovate, nearly thrice as broad as the seventh joint, indistinctly jointed. Head globose below, not visible above. *Eyes* invisible. *Thorax* without ocular lobes, base

and apex truncate, broadly contracted in front, widest near the middle. *Scutellum* absent. *Elytra* slightly sinuate at the base, about the same width as the thorax there, very little broader behind. *Legs* stout. *Femora* simple, grooved below near the apex. *Tibiæ* mucronate. *Tarsi* narrow, not elongate, the three basal joints short, the first hardly perceptible above, third entire below, excavate above, the fourth nearly as broad as the third, as long as the basal three; claws well developed, divergent; the soles sparingly clothed with long outstanding hairs.

*Prosternum* abruptly and deeply emarginate medially in front, between this and the coxæ depressed, but with a raised margin in front of the coxæ, and prolonged as an acute process between them. Anterior coxæ almost touching. *Mesosternum* with a process between the middle coxæ, curved at its apex. Middle coxæ globose, distinctly separated. *Metasternum* short; hind coxæ widely separated. *Abdomen* moderate, the basal segment larger than the second, these two without any distinct median suture, third and fourth very short and on a lower plane than the second.

I know of no near ally. The apex of the rostrum resembles that of *Clypeorhynchus*, but the prosternal emargination is like that of *Bantiades*.

2556. **S. carinatus**, *n.s.* *Subopaque*, fuscous, rostrum and legs obscurely rufescent, antennæ and tarsi reddish, club paler.

*Rostrum* about as long as the thorax, indistinctly bicarinate, with ill-defined sculpture, its apex shining-red. *Antennæ* finely pubescent. *Thorax* longer than broad, the sides obtusely rounded near the middle, more narrowed in front than behind; moderately closely and coarsely punctured, each puncture with a minute seta and tawny scale-like matter, it is indistinctly impressed along the middle. *Elytra* striate-punctate, the punctures rather large, mostly oblong and close to one another; interstices narrow, the third, and the suture, moderately elevated throughout. *Legs* with coarse shallow sculpture, sparingly clothed above. Posterior *tibiæ*, along their inner face, fringed with pale, elongate hairs; the others less distinctly.

*Underside* opaque, fuscous; the apical ventral segment red and minutely sculptured; the basal two with coarse shallow punctures and yellow setæ; the first depressed in the middle; the second appears as if it were raised behind; legs with fine yellow setæ.

A second, smaller specimen has no ciliæ on the tibiæ; this, no doubt, is the female.

Length (rost. incl.),  $1\frac{1}{4}$  lines; breadth,  $\frac{3}{8}$  line.

Mount Pirongia. One pair, picked out of leaf-mould brought by Mr. A. T. Urquhart.

## Rachidiscus.

*Nov. gen.*

*Body* convex, elongate, gradually but considerably narrowed medially, apterous. *Rostrum* moderate, very slightly narrowed



behind. The *scrobes* begin near the apex, about one-third of the length, they are very narrow, and are directed, almost at once, towards the lower and front part of the head. *Antennæ* rather short. The *scape* reaches the middle of the eye, it is slender and flexuous, but moderately abruptly clavate at the extremity. *Funiculus* 7-articulate, first joint subglobular, second short, 3-7 transverse, each becoming a little broader. *Club* ovate, its short basal joint so narrowed as to appear like an eighth joint of the funiculus, apical joints short. *Head* short, a little broader than the rostrum. *Eyes* subrotundate, not prominent, with coarse facets, placed some little distance from the thorax, as much on the upper surface as on the sides. *Thorax* truncate at base and apex, without ocular lobes, evidently longer than broad. *Elytra* connate, of the same width as the thorax at the base, which is finely margined, and closely applied to the thorax, about twice as broad in line with the hind thighs. *Legs* long, about equally, and widely, distant from one another. *Femora* rather slender, grooved near the extremity. *Tibiæ* flexuous, mucronate. *Tarsi* narrow, second joint transverse, third but little broader, grooved above, but not bilobed, fourth about as long as the preceding three; claws bent, rather small.

*Prosternum* rather long, obliquely incurved in front, and with a median depression extending to the coxæ; these are prominent and contiguous. Middle *coxæ* globose, prominent, slightly separated; the posterior distant. *Metasternum* of moderate length. *Abdomen* rounded between the hind coxæ, the basal segment rather larger than the second, the intervening suture straight and rather deep, third and fourth with very broad, deep sutures, not much abbreviated, and, together, equalling the fifth in length.

This is another curious form, not like any other with which I am acquainted, and, perhaps, most nearly related to *Ristheus*.

2557. **R. granicollis**, *n.s.* *Glabrous*, rufo-piceous, slightly shining, antennæ and tarsi reddish.

*Rostrum* rather shorter than the thorax, arched above, finely and indistinctly punctured. *Thorax* obviously longer than broad, subcylindrical, not much broader near the middle than it is elsewhere; its sculpture consists of granular elevations; on the middle, near the front, there is a slightly-raised spot. *Elytra* of the same width as the thorax at the base and for some distance further back, they are afterwards dilated, so that the portion before and behind the posterior femora is about twice as broad as the base, the hind declivity is nearly vertical, the sides are inflexed; the basal margin, in the middle, is quite slender and entire, it is thickened at each side, and, near the middle, this thickened part is rather abruptly bent towards the suture, the large basal enclosed space, which is depressed, looks like an exaggerated scutellum, it is then more or less interruptedly prolonged to the apex; the rest of their sculpture consists of interrupted longitudinal ridges, the second is most elevated, but not greatly, in line with the hind thighs, the third on top of the declivity, but it is obsolete at the base and again

behind the middle, the fourth is raised behind the middle only; the intervals may be termed striæ, with some punctures in them, the declivity is striate.

*Underside* piceous, the second abdominal segment is nearly flat and a little shining, the first and the metasternum are longitudinally impressed, the last three are red; there are only a few shallow punctures and minute grey setæ. The *legs* are indistinctly pubescent. The middle of the body is little more than  $\frac{1}{8}$  line in breadth.

Length (rost. incl.),  $1\frac{1}{4}$  lines; breadth, quite  $\frac{3}{8}$  line.

Mount Pirongia. One pair, brought by Mr. Urquhart amongst leaves.

## Phyllodytes.

*Nov. gen.*

*Elongate.* Prosternum medially emarginate. Front *coxæ* globose, almost touching each other, placed nearer the base than to the front of the prosternum. Mesosternal *process* broadly triangular and fitting into a notch of the metasternum between the *coxæ*, which are moderately separated. *Metasternum* rather short. *Hind coxæ* extend almost to the sides, widely separated by the very broad, slightly-curved, abdominal process. *Abdomen* elongate, basal segment rather larger than the second, the suture oblique towards the sides; third and fourth only moderately short, their sutures broad, deep, and straight; fifth flat. *Legs* elongate, *femora* medially clavate; *tibiæ* flexuous, their inner extremity mucronate; *tarsi* narrow, their soles with elongate outstanding hairs, second joint transverse, the third broadly excavate above but not lobate, fourth elongate, claws simple. *Mandibles* curved, moderately prominent, bifid at apex. *Palpi* short. *Rostrum* about the same length as the thorax, of moderate breadth, not slender, widely and slightly contracted medially. The *scrobes* begin near the apex, where they are open above (pterygiate), they extend obliquely downwards halfway to the eyes, and, near the middle, become shallow. *Eyes* small, just free, quite lateral, directed obliquely downwards. *Scape* rather long and stout, not much thickened towards the extremity, extending to just beyond the back part of the eye. *Funiculus* 7-articulate, first joint longer than the second, 3-7 subquadrate; club oval, pubescent, indistinctly jointed. *Thorax* longer than broad, its base and apex truncate. There is no visible *scutellum*. *Elytra* elongate, subcordate, the base incurved and hardly exceeding the thorax in width, their sides inflexed, their *epipleuræ* extremely narrow.

Ocular lobes absent. Posterior corbels not cavernous.

An anomalous form. The mandibular scar cannot be seen, so that the genus should not be placed in the *Otiorhynchidæ*. If the tibial hooks were present the insect could be located in the *Cossonidæ*, near *Exomesites*, which it somewhat resembles.

2558. *P. foveatus*, *n.s.* *Elongate*, narrow, moderately convex, subopaque, fusco-niger; antennæ and tarsi reddish; femora testaceous, blackish at the base, their extremity, and the tibiæ, in-

fuscate; the body, and the legs, very sparingly clothed with fine yellowish and long erect brown setæ, the depressed parts filled with tawny sappy matter.

*Rostrum* with two slender carinæ about equidistant from the sides and the middle, usually covered with tawny squamosity. *Scape* slightly flexuous; bearing some slender setæ, opaque, dark-red. *Thorax* about one-third longer than it is broad, a little wider near the front than it is elsewhere, gradually and slightly narrowed posteriorly; its sculpture consists of large foveiform impressions and narrow interstices, but near the base and apex the sculpture becomes finer. *Elytra* not twice the length of the thorax, not much broader than it is, hardly any wider at the base than near the middle, gradually narrowed and declivous posteriorly; they have series of oblong punctiform impressions, which are not always regular, but generally form striæ, interstices simple.

*Underside* shining, rufo-fuscous; *abdomen* finely punctate, with depressed yellow setæ, depressed between the hind coxæ, and with coarser punctures there; *prosternum* with larger punctures; *rostrum* obtusely ridged longitudinally, its apex, above, shining, red, without grooves or suture.

Length (rost. incl.),  $1\frac{7}{8}$  lines; breadth, nearly  $\frac{5}{8}$  line.

Maketu, Hunua Range. The insect subsists on fallen leaves, on the ground. Five specimens.

## Nestrius.

*Nov. gen.*

Allied to *Phyllodytes*, but differing structurally in some respects. *Prosternum* widely incurved, instead of being medially emarginate in front. Anterior *coxæ* slightly separated. Mesosternal *process* cuneiform; that of the metasternum truncate between the middle coxæ. *Tarsi* slightly broader, with even longer outstanding hairs, their third joint lobate. *Mandibles* not quite as long. *Rostrum* shorter than the thorax, arched above, depressed near the eyes, only slightly pterygiate. The *scrobe* starts near the apex, almost touches the eye, open above in front, broad. *Eyes* small, lateral, oval, prominent, directed obliquely downwards, free from the thorax. *Scape* straight, not slender, very slightly incrassate apically, reaching just beyond the apex of the thorax. *Funiculus* 7-articulate, first joint nearly twice the length of the second, third as long as the second; club oval, rather broad, obsoletely articulated. *Head* not immersed to the eyes, but short. *Thorax* suboviform, but with a slight, broad, frontal constriction, base and apex truncate. *Elytra* subtruncate at base. *Antennæ* inserted near apex.

2559. **N. serripes**, *n.s.* *Elongate*, convex, subopaque, obscured-red, femora fulvescent; it is sparingly clothed with small, yellowish setæ, and also with longer erect ones.

*Rostrum* narrower than the head, but not slender. *Antennæ* red; *scape* opaque, with erect slender setæ. *Thorax* large, longer than



broad; its sides slightly, the posterior angles much rounded; its punctures large, sometimes confluent, finer beyond the centre, more or less rugose. *Elytra* scarcely broader than the thorax at the base, not twice its length, shoulders slightly narrowed, their sides nearly straight, narrowed behind; they are almost striate-punctate, but appear transversely rugose. *Legs* robust; *tibiæ* slightly flexuous, the hind pair, along their inner face, distinctly serrate, their inner extremity more prolonged than the others.

*Underside* obscure-red, more or less evidently punctate, with depressed yellowish setæ; *prothorax* transversely impressed in front; *metasternum* with a transverse elevation on the middle; *abdomen* slightly raised between the hind coxæ, third and fourth segments not very short, second somewhat flattened in the middle, its frontal suture distinct.

Length (rost. incl.),  $1\frac{3}{4}$  lines; breadth, nearly  $\frac{5}{8}$  line.

Mount Pirongia. Two examples, brought amongst leaf-mould by Mr. A. T. Urquhart.

## Plotnus.

*Nov. gen.*

The species for which this genus is proposed resembles *Nestrius serripes* more than any other, but some structural details necessitate the generic separation of the two species.

The *rostrum* is shorter and more arched above, and, moreover, it is depressed, or pinched in, near the eyes. The *scrobe* is shallow behind, it extends to the eye, and occupies the whole side of the rostrum. The *eyes* are small and rotundate. The *scape* bears slender setæ, it reaches just beyond the front of the thorax, it is thick, but not much thicker near the extremity than it is at the base. The first joint of the *funiculus* is nearly twice the length of the second, the third and fourth are longer than broad; the club is broadly oval, pilose, and evidently articulated. The *tarsi* are furnished with long, prominent hairs. The apex of the *rostrum* presents a good distinguishing character; it is smooth, and marked off by a fine suture so as to appear like the genus *Clypeorhynchus*.

2560. **P. ovithorax**, *n.s.* *Subopaque*, fusco-testaceous, the rostrum and thorax dull-obscure-reddish, the antennæ and tarsi reddish; it is sparsely clothed with small, depressed, yellowish setæ, and some longer, erect, pale ones.

*Thorax* longer than broad, oviform, its sides slightly and evenly rounded; its surface a little unlevel, with shallow, irregular, foveiform impressions. *Elytra* closely striate-punctate.

*Antenna* inserted near the apex of the rostrum. *Prothorax* with a broad furrow (transversal) near the front. *Abdomen* with fine brassy scales.

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{5}{8}$  line.

Capleston. One example, found by Mr. Cavell.

**Phemus** (Gen., p. 1214, Part V.).

2561. **P. rufipes**, *n.s.* *Elongate*, subopaque, fusco-niger, legs reddish, antennæ and tarsi pale yellowish-red; sparingly clothed with slender, short, depressed, yellowish setæ, the punctures covered with tawny scale-like matter.

This closely resembles *P. scabralis*, but the *femora* are red; the *thorax* is rather longer and narrower, its punctuation is not so coarse, but it is closer and more rugose; the *elytra* are nearly similar, but the third and fifth interstices are more elevated behind, the third is slightly raised at the base, they appear cariniform, but, in reality, they consist of series of small, round elevations; the rostrum is similarly grooved longitudinally, but along the middle of the groove there is a slender carina; the third joint of the anterior tarsi is oblong and scooped out above. *Prosternum* emarginate in front. Anterior *coxæ* separated by a narrow space only. *Meta-sternum* short. Second segment of the *abdomen* not distinctly separated from the first; the intercoxal suture truncate; under-surface more or less coarsely punctate.

Length (rost. incl.),  $2\frac{1}{2}$  lines; breadth,  $\frac{3}{4}$  line.

Pirongia. One individual, picked out of leaf-mould brought by Mr. A. T. Urquhart. *Phyllodytes*, *Nestrius*, and *Plotnus* are cognate forms, though differing in appearance.

**Group—ERIRHINIDÆ.****Stilbopsis.**

*Nov. gen.*

*Body* convex, short and broad, medially narrowed, smooth and polished, nearly nude. *Rostrum* rather shorter than the *thorax*, moderately stout, its basal half a little narrowed. *Scrobes* deep, starting near the apex (about one-third of the whole length), extending along the sides to below the eyes. *Scape* just attaining the eye, a little flexuous, gradually incrassate. *Funiculus* much longer than the *scape*, 7-articulate; first joint longer than second and much stouter at the apex; 3-5 bead-like; sixth and seventh sensibly broader; *club* oblong-oval, four-jointed. *Eyes* broadly-oval, just free, not distant above. *Head* very broad and rotundate, short above, conspicuous below. *Thorax* without ocular lobes, large, its length and breadth about equal, with a very distinct basal margin. *Scutellum* small, broadly-triangular. *Elytra* cordate, short and broad, declivous behind, their sides vertical, or a little inflexed, they scarcely exceed the *thorax* in breadth at the base, and are closely adapted thereto. *Legs* robust and rather long. *Femora* simple. *Tibiæ* flexuous, the extremity oblique, with well-developed hooks extending along the front edge and protruding beyond the inner angle. *Tarsi* moderate, third joint bilobed, fourth not elongate; claws short, very thick at the base; soles pilose. *Prosternum* short, widely but slightly incurved in front; front *coxæ* contiguous, pro-

ninent, large, placed near the front. *Mesosternum* short, with a triangular process between the middle coxæ which meets the acutely-margined projection of the metasternum, the middle coxæ only slightly separated. *Metasternum* very short, so that the margins of the middle and hind coxal cavities nearly touch each other. Posterior coxæ moderately distant, the intervening abdominal suture subtruncate. *Abdomen* large, the suture between the two basal segments almost obliterated, third and fourth segments not much abbreviated. *Epipleuræ* narrow.

The short, broad, convex, brightly-polished insect which forms the type of this genus has no near ally that I know of.

2562. **S. politus**, *n.s.* *Glossy*, the thorax with very few grey, hair-like scales in front, a few between the eyes, and about a dozen erect ones on each elytron; red, the rostrum and thorax sometimes pitchy-red, legs yellowish, sometimes infusate, antennæ red.

*Rostrum* with a few fine punctures. Antennæ inserted before the middle of the rostrum, funiculus pubescent. *Thorax* with rounded sides, a little depressed and constricted in front, disc convex, with fine remote punctures. *Elytra* finely margined laterally, convex, base depressed, almost free from sculpture, there being only a few fine punctures which are sometimes arranged in rows.

*Underside* red, finely punctured, with slender, decumbent, yellow hairs.

Length (rost. excl),  $\frac{3}{4}$ – $\frac{7}{8}$ ; breadth, nearly  $\frac{1}{2}$  line.

Maketu, Hunua Range. Three specimens, found on the ground amongst decaying leaves.

## Aganeuma.

*Nov. gen.*

*Rostrum* moderately elongate, parallel, arched, not slender. *Scrobes* beginning near apex, attaining the eyes, well marked throughout. *Head* immersed up to the eyes, globose below. *Antennæ* inserted near the apex. *Scape* barely reaching the eye, thickened towards the extremity. *Funiculus* 7-articulate, first joint largest, second longer than broad, 3–5 subquadrate, sixth and seventh bead-like, a little broader than the preceding ones; club ovate, articulated. *Eyes* small, obliquely oval, coarsely faceted. *Thorax* without ocular lobes, base and apex truncate, oviform, not transverse. *Scutellum* minute. *Elytra* a little wider than the thorax at the base, each very slightly rounded towards the suture, ovate. *Legs* stout, femora simple; *tibiæ* stout, slightly flexuous, strongly mucronate at the inner extremity. *Tarsi* pubescent, their third joint narrow and bilobed; claws small. *Prosternum* with a semicircular emargination in front, somewhat elevated between this and the coxæ; these are large, prominent, and quite contiguous. *Metasternum* short and convex, it projects forward as a narrow, acute process, which meets the nearly vertical, narrow, mesosternal process, between the middle coxæ; these, therefore, are nearly con-



tiguous. *Abdomen* rather long, with a raised, curved, frontal suture between the hind coxæ, which are not widely distant; the suture between the two basal segments sinuate, the second about as long as the first, third and fourth not much shorter than the second, fifth longer than the preceding two. *Epipleuræ* narrow.

*Aneuma* is the nearest genus, but in this one there is not the slightest trace of the prosternal canal. The emarginate prosternum and approximated middle coxæ differentiate it from *Erirhinus*.

2563. **A. rufula**, *n.s.* *Convex*, moderately elongate, subovate, a little shining; red, elytra paler, legs and antennæ yellowish-red, club yellowish; pubescence flavescent, that on the thorax very slender and scanty; on the elytra, besides the fine decumbent hairs, there are numerous erect hair-like setæ.

*Rostrum* rather longer than the thorax, longitudinally grooved and carinate. *Thorax* very slightly, just perceptibly, constricted in front, its sides well rounded; the punctuation close, rather coarse, and more or less rugose. *Elytra* obovate, broader than the thorax, twice its length; distinctly and regularly striate-punctate; interstices narrow, indistinctly punctured. *Legs* finely pilose; *femora* with a minute denticle underneath.

*Underside* rufescent, with fine, decumbent, pallid hairs; the breast more or less coarsely punctured; the abdomen obsoletely sculptured, flattened.

There is no member of the *Erirhinidæ* which resembles it.

Length (rost. incl.),  $1\frac{3}{8}$  lines; breadth,  $\frac{3}{8}$  line.

Hunua Range. Three specimens, found in different localities on the ground amongst leaves.

## Group—CRYPTORHYNCHIDÆ.

### *Acalles* (Gen., p. 488).

2564. **A. dolosus**, *n.s.* *Variegate*, densely covered with depressed, rounded, reddish-brown scales, some blackish ones in front and behind; there is a large, broad, pale space on top of the hind declivity, as also some ill-defined ones on the elytra; there are numerous coarse, erect setæ, dark and pale; near the middle of the thorax there are two distant, sublunate, longitudinal, ill-marked grey spots; rostrum piceous, antennæ and tarsi dark-red.

*Rostrum* parallel, quite the length of the thorax, not shining, punctate, squamose behind. *Antennæ* inserted before the middle; scape rather slender, very little thickened near the extremity; funiculus longer, pubescent, first joint scarcely longer but much thicker than the second, third longer than broad, 4-7 become a little broader; club elongate, rather narrow, apical joints small. *Thorax* about as long as broad, widest just behind the middle, more narrowed in front than behind, base subtruncate; it is coarsely punctate and studded with erect setæ. *Elytra* obovate, base slightly bisinuate and of the same width as the thorax, their sides gently

rounded, so that the middle is but little broader than the base; striate-punctate, without distinct elevations; the broad pale space densely covered with small scales, intermingled, and bordered, with setæ. *Legs* stout; femora densely squamose above, the two hind pairs deeply grooved underneath, the front pair deeply near the apex only; tibiæ with distinct hooks, densely fringed externally, with setæ on the inside; tarsi rather long, second joint longer than broad, third moderately broad and deeply lobed.

*Underside* blackish, moderately closely punctured, clothed with rather coarse, oblong, yellow scales. The lower part of the side of the thorax, just above the angle of the pectoral canal, slightly curved outwardly and setose; this may be called the *ocular lobe*. The canal wider near, but not at, the front than elsewhere, its hind border elevated between the middle coxæ. *Metasternum* short, on nearly the same level from one side to the other. Basal ventral segment large, depressed, broad in front and extending forwards beyond the coxæ, second half the length of the first, with a distinct sinuous frontal suture.

This can only be confounded with *A. scitus*, which, however, is a much prettier insect. These two species can be easily separated after an examination of the undersides.

Length (rost. excl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Hunua Range, near Drury. Two examples.

OBS.—*Acalles scitus*. The two basal segments of the *abdomen* are on an abruptly higher plane than the three last, on the second the scales are slender, still more so, and quite small, on the first. The hind border of the pectoral canal is acutely elevated and sharply rounded in line with the back of the coxæ. The flat basal segment of the abdomen seems to extend right up to the border of the canal, so that the *metasternum* seems to consist of an oblique ridge from the hind coxæ to the canal-border. The pectoral canal is similar in *A. dolosus*, its front angles extend a little inwards, the sides converge a little near the coxæ, so that the cavity is a good deal wider near the front than it is elsewhere. It will be apparent that, though an abraded or imperfect *A. scitus* is, superficially, extremely like an *A. dolosus*, the sternal structure warrants their generic separation.

The perfect *A. scitus* has coarse reddish-brown scales on the *thorax*, an interrupted grey line along the middle, and grey scales nearly form a line across it, the erect setæ are blackish. The scales on the *elytra* are very small and nearly ferruginous for the most part; the broad space on top of the declivity is composed of cream-coloured squamæ, with grey setæ at each side, but in front and behind it is bordered with angulated black spots; there are four small black crests between the middle and the base; at each side of the hind-body there are three lines of black-and-white scales; the elytral punctures are moderately coarse and distant, and do not form striæ.

Maketu, Hunua Range. One.

2565. **A. comptus**, *n.s.* *Convex*, narrow, without crests or elevations; body and legs with numerous, slender, rather long, erect fuscous setæ; squamosity red, on the thorax depressed, slender, and elongate, with a few pale-yellow scales near its sides; elytra with smaller squamæ, mostly erect, very unevenly distributed, and with some yellow ones at the shoulders; piceous, rostrum pitchy-red, antennæ and tarsi obscure-testaceous, legs sordid fusco-rufous.

*Rostrum* shorter than the thorax, shining, sparsely and finely punctate, its base squamose. *Thorax* a good deal longer than broad, base truncate, widest behind the middle, where its sides are rounded, more narrowed (but gradually) towards the front than behind; coarsely and closely punctured. *Elytra* cordate, distinctly broader before the middle than the widest part of the thorax, but not wider at the base than it is; punctate-striate, the striae rather broad and deep, the suture well defined. *Legs* rather long; femora simple; tibiae rather slender, flexuous, the anterior with well-developed apical hooks; tarsi narrow, third joint expanded and lobate, fourth slender.

*Antennæ* inserted just behind the middle of the rostrum. *Scape* short and thick, gradually incrassate. *Funiculus* elongate, first joint longer and stouter than second, 3-7 increase in breadth, so that the seventh is as broad as the base of the club, which is widest beyond the middle, apical joints very small.

There are no *ocular lobes*. The *eyes* are just free, and are nearly rotundate. The *coxæ* are equidistant. *Metasternum* short. *Abdomen* elongate, flat, the punctures arranged in transverse series, with depressed grey scales, first segment about twice as long as the second, which equals the third and fourth together.

There is no species like this, except perhaps *Agacalles formosus*: the present species is smaller, with a narrower thorax, but the elytra are more broadly cordiform, and the legs are materially different.

Length (rost. excl.), 1; breadth, nearly  $\frac{1}{2}$  line.

Maketu, Hunua Range. One, found on the ground amongst decaying leaves.

2566. **A. facilis**, *n.s.* *Subopaque*, without crests or elevations, piceous; tibiae obscure-red, tarsi paler; antennæ yellowish, club blackish; clothed with small, dark and tawny scales, and erect, conspicuous, slender, fuscous and pallid setæ.

*Rostrum* shining, rufo-piceous, nearly smooth, subparallel, squamose at base. *Antennæ* shining, implanted just behind the middle; scape short, thickened apically; funiculus elongate, first joint rather longer than second, slender at the base, much dilated apically, 3-6 almost bead-like, seventh a little larger than, and nearly as dark as, the club, which has three small terminal joints. *Thorax* longer than broad, slightly wider behind the middle than it is at the base, which is truncate, gradually and slightly narrowed anteriorly; its surface closely, moderately coarsely, and somewhat rugosely punctate; tawny scales form a central line and several small spots. *Elytra*



very slightly broader than the thorax at the base, this is truncate, they are widest at the middle, where they exceed the broadest part of the thorax; moderately coarsely striate-punctate; tawny scales form a sort of broad fascia on top of the declivity, but not reaching the sides, a large subapical spot, and some ill-defined spots near the sides of the disc. *Legs* long; thighs simple; tibiæ a little bent, uncinatæ, with but few setæ except the prominent ones near the knees; tarsi moderate, third joint expanded and lobate. *Scutellum* absent.

*Underside* piceous; fifth ventral segment reddish, with small yellow setæ; other parts distinctly punctured, with fine, depressed, grey setæ. The pectoral canal extends to the back part of the middle coxæ, and is limited by the moderately-raised mesosternal margin. *Metasternum* short. Basal segment of *abdomen* longer than the second, truncate between the hind coxæ, not depressed.

This is more like *A. cingulatus* than any other species, but it is rather narrower, more slender, &c. The suture between the metasternum and abdomen in that species is deep and broad; the suture between the two basal segments is as indistinct as it is in *A. facilis*. There are no ocular lobes, the sides of the thorax being slightly incurved from above to the angles of the canal. *Eyes* flat. *Femora* grooved at the apex, shallow elsewhere.

Length (rost. excl.),  $\frac{3}{4}$ ; breadth,  $\frac{3}{8}$  line.

Maketu, Hunua Range. One pair, amongst fallen leaves.

2567. *A. quietus*, n.s. *Subovate*, convex, medially narrowed, without inequalities, slightly nitid; piceous, the tarsi and apex of thorax reddish, antennæ, including the club, fulvescent; sparingly clothed with depressed, testaceous setæ, and, on the elytra, with coarse, erect, pallid setæ, the legs with nearly similar clothing.

*Rostrum* shining, rufo-piceous, sparsely punctured, squamose at base, subparallel. *Antennæ* inserted behind the middle, rather slender and shining; scape gradually thickened; funiculus elongate, first joint longer than second, 3-7 become broader; club oblong-oval, indistinctly articulated. *Thorax* rather longer than broad, not narrow, its widest part behind the middle, the sides rounded there, broadly contracted near the front, base truncate; closely and distinctly punctate. *Elytra* nearly cordate, or obovate, base straight, and hardly wider than the thorax; deeply and broadly punctate-striate, the punctures large and close, interstices narrow; along the suture the fine, scale-like brassy setæ are conspicuous, the coarse and fine setæ are placed on the interstices. *Legs* stout, densely clothed, femora simple, tibiæ hooked; tarsi rather broad, third joint very broad and lobed, fourth slender.

*Underside* black, shining, punctate, the intervals between the punctures densely and minutely sculptured, with slender grey setæ. The raised border of the canal reaches the middle of the intermediate coxæ. *Metasternum* not very short, higher in the middle than at the sides. First segment of *abdomen* flat, larger than the second, the suture between them nearly straight, and deep at the sides.

*Scutellum* absent. The sides of the thorax, in front, incurved between the canal-angles and the upper surface.

Distinguishable by the deep elytral striæ, narrow interstices, and small size.

Length (rost. excl.),  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Maketu, Hunua Range. Three examples, on the ground amongst leaves.

2568. **A. alpestris**, *n.s.* *Compact*, subovate, very complex, without superficial inequalities, a little shining; infuscate-red, legs more obscurely coloured, with fuscous and pallid setæ; antennæ and tarsi yellowish-red; clothed for the most part with slender fulvescent or testaceous scales (according to individual varieties), and a few pale erect setæ, in one example there is an angular, bare, pitchy space on each side of the elytra.

*Rostrum* pitchy-red, finely punctate, gradually and very slightly narrowed near the middle, squamose behind, suddenly, but only slightly, pinched in near the eyes. *Thorax* about as long as broad, very much, but not at all abruptly, narrowed towards the front, base truncate; closely but not coarsely punctured. *Elytra* convex, widest at the middle, the sides rounded; base not wider than the thorax and closely applied thereto, feebly bisinuate; they are punctate-striate, the striæ near the suture, near the middle only, very deep and broad; the interstices nearest to these sulci are a little elevated on top of the declivity, the others are broad.

*Underside* more or less punctate, with a few greyish slender scales.

*Antennæ* medially inserted; scape short, just attaining the eye, gradually thickened; funiculus 7-articulate, first joint larger than second, 3-7 increase in breadth; club broad, ovate, the three apical joints very short. *Eyes* broadly-oval. No ocular lobes, the sides of the thorax, in front, incurved. *Tarsi* with the third joint densely clothed underneath, broadly expanded and lobed, fourth narrow, claws small. *Femora* grooved below, the anterior near the apex only. *Tibiæ* uncinatæ. *Pectoral canal* bounded between the middle coxæ by a moderately-raised margin. *Metasternum* broadly rounded in line with the hind part of the middle coxæ. *Abdomen* large, first segment nearly twice the length of the second in the middle, the suture between them a little sinuous.

The insect looks like a small, broad *Scelodolichus*. The deep sutural striæ of the elytra, with the raised adjacent interstices, will lead to its recognition almost at a glance.

Length (rost. excl.),  $\frac{7}{8}$ ; breadth,  $\frac{3}{8}$  line.

Mount Pirongia. Two, amongst leaf-mould brought by Mr. A. T. Urquhart.

2569. **A. picatus**, *n.s.* *Compact*, very convex, ovate, without inequalities of surface, shining, piceous; covered with fulvous and grey hair-like scales, the grey ones irregularly distributed and sometimes forming spots, there are also erect fuscous setæ; legs obscure-red, tarsi and antennæ red, club smoky-brown.



*Rostrum* about as long as the thorax, rather broad, slightly narrowed towards the centre, red, and finely sculptured, in front, the basal portion with yellowish scales. *Thorax* truncate at the base, gradually narrowed towards the front, without distinct punctures. *Elytra* closely adapted to the thorax, very convex, abruptly curvedly deflexed behind, widest near the middle, apparently without sculpture. *Legs* densely clothed with fulvous hairs, and erect infusate setæ, comparatively long and robust; thighs not clavate; anterior tibiæ incurved along the outside, with distinct terminal hooks; tarsi with first joint rather slender, second joint as long as broad, third a good deal expanded and lobate, fourth elongate and slender.

There is no *scutellum*. *Eyes* rather large, just free, subrotundate. No *ocular lobes*. *Antennæ* medially inserted; scape short and thick, much, but only gradually, incrassate; funiculus elongate, first joint stout, largest; club ovate, apical joints short and pubescent.

This should be placed near *A. alpestris*. It may be known by the smooth shining surface, its quite uninterrupted outline, and distinct contrasts in coloration. It is not likely that these two species will remain in *Acalles*.

Length (rost. excl.),  $\frac{3}{4}$ ; breadth,  $\frac{1}{2}$  line.

Maketu, Hunua Range. One, on the ground, amongst leaves.

2570. **A. aulacus**, *n.s.* *Convex*, broad, ovate, without conspicuous inequalities of surface, piceous, antennæ and tarsi red; densely covered with subdepressed, coarse, rounded scales, mostly reddish-brown, blackish ones form two large elongate patches near the base of the thorax, and small irregular spots on the elytra; the four hind tibiæ are dark near the knees; on the third and fourth interstices of each elytron, in line with the hind thighs, there is a distinct grey spot; there are no erect setæ.

*Rostrum* about the length of the thorax, feebly narrowed towards the middle, coarsely and rugosely punctured in front, squamose behind. *Thorax* about as long as broad, its frontal half depressed and obviously contracted, not abruptly so, however; it is coarsely and closely punctured; the scales at the sides, and along the front of the dark spots, are more erect than the others but do not form crests. *Elytra* short, much rounded, base truncate and closely applied to the thorax, of the same width there, much broader behind the shoulders, so much curved as to be vertical behind; the suture, at the base, is somewhat depressed, and has two small black tubercles; they are punctate-striate, the striæ appear to be deep, owing to the overlapping scales on the interstices, which are rather broad; there is a blackish spot near each shoulder. *Legs* comparatively long and thick, the scales on the front *femora* are longer than those on the others, these thighs are not clavate but they are thick, and grooved below at the apex, the other femora are grooved underneath; anterior tibiæ rather short, a little curved, prominent at the knees, with moderate hooks; *tarsi* with broadly-expanded and lobate third joints.

*Antennæ* medially inserted; scape short and thick; funiculus



with the first joint thick but shorter than the second, 3-7 gradually thickened; club large, oblong, obliquely narrowed at one side; the apical joints small.

*Underside* piceous. *Metasternum* short, with oblique, elevated borders between the hind and middle coxæ; its middle portion, and the basal ventral segment, much flattened or depressed, closely punctured, the latter with very slender erect hairs; second segment, and the sides of the first, with coarse scales, third and fourth each with one row of similar scales, the fifth with smaller scales. The pectoral canal with raised hind border.

There is no *scutellum*. The front sides of the *thorax* are incurved from above to the angles of the canal. *Eyes* large, hardly free, subrotundate.

Somewhat similar to No. 867 in form; the thorax, however, is not abruptly narrowed in front, and there are no crests. It is a very distinct species.

Length (rost. excl.),  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{2}$  line.

Maketu, Hunua Range. Two, found on the ground amongst leaves.

2571. **A. allostethus**, *n.s.* *Variegate*, squamosity greyish-testaceous; blackish, antennæ and tarsi reddish, front of rostrum piceous.

This closely resembles *A. aulacus*; the frontal portion of the rostrum has deeper, closer, and more rugose punctures; the thorax is distinctly longer, more narrowed anteriorly, and it has a central longitudinal line; the *elytra*, though very similar, have more numerous black and greyish spots; the dark marks near the shoulders, as well as those on the thorax, are similar; the most important differences are to be seen underneath.

The hind border of the pectoral canal is thicker. The *metasternum* is without the oblique intercoxal elevations. The *squamosity* is yellowish. The club is unsymmetrical also.

Length (rost. excl.),  $\frac{7}{8}$ ; breadth,  $\frac{1}{2}$  line.

Maketu. One, on the ground, amongst fallen leaves.

2572. **A. incultus**, *n.s.* *Broad*, widest behind the shoulders, nearly equally narrowed towards both extremities; opaque, squamosity dense, rather small, oviform, depressed, mostly pale infuscated, each side of the posterior declivity blackish, there are also dark scale-like erect setæ; femora dark and opaque, tibiæ obscure-red and sparsely setose, antennæ and tarsi reddish.

*Rostrum* rather short, slightly pinched in near the eyes, broad, dark, opaque, asperate, and squamose, there are, apparently, five slender costæ, the basal portion bears reddish scales. *Thorax* almost as long as it is broad, much, but not suddenly, narrowed in front, the sides in front of the middle appearing somewhat incurved; there are no crests, there is a row of coarse grey setæ in front, it is coarsely and closely punctured. *Elytra* cordiform, base slightly sinuous and hardly at all broader than the thorax, the declivity

abrupt, rounded; punctate-striate apparently, the punctures hidden, the third interstices are just perceptibly elevated near the base. *Legs* long and thick; the anterior *femora* rather longer than the others, the *tibiæ* rather shorter, their hooks distinct, there are some coarse conspicuous setæ near the knees; *tarsi* with broadly-expanded and lobate third joints, the fourth rather short.

The pectoral canal is profound, with abruptly-raised hind borders. The *metasternum* and basal segments are broadly impressed, and are covered with greyish or fulvescent scales, the other segments are sparingly clothed with minute scales.

*Antennæ* inserted at, or just behind, the middle of the beak; scape short and thick; funiculus elongate, but not slender, second joint quite as long as the first, but much more slender, 4-7 transverse; club unsymmetrical. *Eyes* large, just free, subrotundate. There are no *ocular lobes*, the thorax being nearly truncate from the canal-angles to the upper surface. *Scutellum* absent.

Congeneric with *A. aulacus*, but differing in shape.

Length (rost. excl.),  $\frac{7}{8}$ ; breadth,  $\frac{5}{8}$  line.

Maketu, Hunua Range. Amongst leaves on the ground; one.

### Scelodolichus (Gen., p. 495).

2573. *S. hilaris*, n.s. *Convex*, narrow, narrowed and depressed medially; shining, rufo-piceous, antennæ and tarsi red; densely covered with decumbent, hair-like, red scales, there is usually, however, a large bare pitchy space near each side of the elytra, the erect setæ are numerous, not coarse, and generally fuscous; sometimes there are about six pallid spots on the hind-body.

*Rostrum* about as long as the thorax, rather more expanded at the base than in front, finely punctate. *Eyes* oblique, broadly-oval. *Thorax* longer than broad, widest behind the middle, rather more narrowed in front than behind, base finely margined; closely, deeply, but not very coarsely punctured. *Elytra* margined at the base, which is of the same width as the thorax, they are widest behind the shoulders, and are gradually narrowed and much deflexed posteriorly; they have series of distant and not very deep punctures. *Legs* long; thighs arched above, not clavate, grooved near the extremity; *tibiæ* flexuous, with well-developed apical hooks; *tarsi* pilose below, narrow, first joint elongate, slender at the base, second joint of the anterior longer than broad, third moderately expanded and lobed.

*Antennæ* inserted behind the middle of the rostrum; scape reaching the front of the eyes, shining, gradually incrassate; funiculus elongate, first joint distinctly thicker but not much longer than the second, 3-7 become broader; club ovate, indistinctly triarticulate.

*Underside* subopaque, with shallow sculpture, and yellow, hair-like scales or setæ; there is a depression from the middle coxæ to the second ventral segment. Pectoral canal very deep, bounded between the middle coxæ by the strongly-elevated margin of the mesosternum. *Metasternum* short, so that the hind and intermediate coxal



cavities are contiguous. *Abdomen* elongate, the basal segment, in the middle, twice the length of the second, the suture between these straight but indistinct. *Epipleuræ* entire, extremely narrow. All the *coxæ* about equally widely separated, globose, and prominent. The anterior *femora* are articulated to the middle of the *coxæ*, the others to the front and inner face, a peculiarity which does not obtain in No. 882. In a reversed specimen of that species (*S. lineithorax*) I find that the hind border of the *mesosternum*, between the *coxæ*, is not raised, but flat. The species may be generically separated when the sternal structure can be carefully studied.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth,  $\frac{3}{4}$  line.

Maketu, Hunua Range. On the ground, amongst fallen leaves.

### **Crisius** (Gen., p. 500).

2574. **C. fasciculatus**, *n.s.* *Piceous*, antennæ and tarsi red; squamosity variegate, on the thorax coarse, mostly pitchy, with a streak near each side, and some odd scales, reddish-brown; on the elytra the scales are very small, round, and flat, chiefly pale-ferruginous, the raised parts are formed of coarse, erect scales or setæ, blackish and testaceous.

*Rostrum* longer than thorax, subparallel; nude and finely sculptured in front; with reddish-brown scales behind. *Thorax* moderately closely punctured, its frontal half abruptly contracted, with some pale apical squamæ; the basal portion, in front, with two tufts of nearly black scales, placed near the middle, and one at each side, there are two smaller ones near the base. Scutellum indistinct. *Elytra* striate-punctate, with oblique shoulders, much narrowed posteriorly, their sides with irregular tufts; at the base, near the middle of each elytron, there is a dark, raised longitudinal streak; behind each of these there are two dark rounded tufts in line with the back part of the humeral prominence; before the posterior femur there is a curved, interrupted elevation, extending from the side towards the suture, there is a similar one behind the thigh, the coarser parts are at the side, the squamæ on these are blackish or testaceous; there are, also, three small crests halfway down the declivity, which is paler than the disc. *Legs* with variegate scales and erect setæ.

*Abdomen* with small brick-red scales; the basal segment flat in front but raised backwards, so that the apical middle portion is on a higher level than the others; the second, third, and fourth on the middle, and near the sides, blackish, the fifth also dark at the sides and apex, which is rounded.

Near *C. picicollis*. The antennæ longer and more slender, second joint of the funiculus nearly twice the length of the first, 3-7 bead-like; club more elongate and narrower; the tibiæ slightly curved above; the tarsi evidently longer and narrower, &c.

VAR.—Squamosity infusate or testaceous, less distinctly marked.

Length (rost. excl.),  $2-2\frac{1}{2}$ ; breadth,  $1-1\frac{3}{8}$  lines.

Maketu, Hunua Range. Three, on the ground.



**Getacalles** (Gen., p. 1380, Part VI.).

2575. **G. inæqualis**, *n.s.* *Suboblong*, convex, with numerous superficial inequalities; densely covered with small, rounded, variegate, chiefly bright-brown, scales; the middle of the elytra, along the suture, with nearly pink scales, a large irregular space behind the middle of each elytron is almost pitchy-red; scutellum grey; in each puncture on the elytra there is a sunken pearl-like scale.

*Rostrum* almost parallel, quite the length of the thorax; piceous, densely and rugosely punctate. *Scape* elongate and slender, gradually thickened. *Funiculus* pubescent; second joint evidently longer than the first, only about half its thickness; 3-7 each a little shorter and broader; *club* elongate-ovate, not broad, apical joint short. *Thorax* abruptly contracted, and depressed, in front for one-half its length; apex almost bicristate; the outer angles of the hinder portion with pale, coarse, scale-like setæ directed outwards, there are two small crests near the middle. *Elytra* distinctly broader than the thorax at the base, humeral angles obtusely prominent laterally, their sides nearly straight as far as the hind thighs, but of irregular outline; the disc bears series of punctures, and several crests, so that the surface is uneven. *Legs* with variegate scales and setæ, femora dentate below.

*Metasternum* with pallid scales; the rest of the squamosity, for the most part, is fusco-rufous, but the sides of the third, fourth, and fifth ventral segments, and part of the second, are black; the suture between the two basal segments is more strongly sinuate than in No. 1682. The metasternum is short in the middle, so that the middle and hind coxæ are nearly contiguous.

Length (rost. excl.),  $1\frac{3}{4}$  lines; breadth, 1 line.

Maketu, Hunua Range. Unique.

**Group—COSSONIDÆ.****Idus.***Nov. gen.*

*Body* elongate, convex, medially narrowed, nearly glabrous. *Rostrum* about as long as thorax, cylindrical, gradually and slightly narrowed anteriorly, rather slender. *Antennæ* inserted before the middle. *Scape* flexuous, apex clavate. *Funiculus* 5-articulate, basal joint rather short, but a little longer than the second, which is longer than the third. *Club* abruptly marked off, longer than broad, four-jointed. *Head* immersed, globose below. *Thorax* sub-cylindric, base and apex truncate. *Elytra* of the same width as the thorax at the base, their broadest part behind the posterior femora, base truncate. *Femora* simple, not clavate. *Tibiæ* rather straight, the anterior oblique at the apex, the outer and inner angles with a minute straight process, without hooks, on the inside, beyond the middle, distinctly ciliate; the others with a spinule at each angle. *Tarsi* elongate and narrow; their three basal joints short,

not as long as the terminal one, indistinctly separated. *Claws* moderately long. *Prosternum* elongate, widely and deeply emarginate in front. Front *coxae* prominent, contiguous; middle pair globose, prominent, and only slightly separated; the posterior moderately separated, also prominent. Front and middle *legs* rather far apart. *Metasternum* remarkably short, so that the middle and hind *coxae* nearly touch. *Abdomen* long, the two basal segments very large, depressed, the first the larger, the intervening suture sinuous, third and fourth very short.

*Scutellum* absent. *Eyes* obsolete or altogether wanting. Only four genera are at all allied to this, but none agree with it structurally. These genera are: *Amaurorrhinus*, pertaining to Europe; *Pseudomesoxenus*, St. Helena; *Pentatemonus*, Atlantic islands; and *Halorhynchus*, Australian.

2576. **I. cæcus**, *n.s.* *Shining*, red, legs paler, antennæ and tarsi yellowish; with a few minute setæ.

*Rostrum* smooth, its lower front face apparently shaved off or obtusely truncate. *Thorax* longer than broad, rather narrow, very slightly wider behind the middle than it is elsewhere, its basal margin depressed; with rather fine but distinct, moderately-distant punctures, each with a minute seta. *Elytra* with four discoidal striæ on each, each stria with eight or ten punctures, the two sutural grooves broader than the others, the posterior declivity more finely sculptured; interstices indistinctly punctate, with a few inconspicuous slender pallid hairs.

*Abdomen* elongate, the two basal segments distantly but distinctly punctured, in each puncture there is a depressed, rather coarse, pale seta, there are none on the fifth segment.

Length,  $\frac{7}{8}$ ; breadth, quite  $\frac{1}{2}$  line.

Mount Pirongia. Of this remarkable Cossonid I have seen but one specimen, which was picked out of leaf-mould collected by Mr. A. T. Urquhart.

OBS.—The longitudinal measurements in this group include the rostrum.

## Allaorus.

*Nov. gen.*

*Body* convex, only moderately elongate, subovate, nitid, nearly glabrous. *Head* short, globose below. *Rostrum* of moderate length, stout, arched, subparallel, only very slightly dilated near the antennal insertion. *Scrobes* deep, oblique, extending to the lower front of the head. *Antennæ* inserted beyond the middle of the rostrum. *Scape* barely reaching the eye, moderately incrassate apically. *Funiculus* 7-articulate; first joint thick, second slightly longer than third, 3–7 increase in breadth, all short; club ovate. *Thorax* longer than broad, a little narrowed towards the front, very slightly constricted there, base truncate. *Elytra* a little wider at the base than at the thorax, feebly obliquely curved towards the suture, obovate. *Legs* stout; femora thick, arched above; *tibiæ*



with strongly-developed apical hooks, those of the anterior very prominent, proceeding from the outer angle and directed forwards, so that they are not greatly curved; the inner apex is a little prominent, with a slender spine; there is another spinule on the inner face, near the middle, between this and the extremity the tibiæ are distinctly ciliate; the other pairs with strongly-protruding spurs, and a slender process at the inner angle. *Tarsi* narrow, not long; first joint longest, slender at the base, second and third equal; third entire, or nearly so; apical joint, at its base, minutely articulate, inserted into the apex of the penultimate. *Claws* very minute, hardly distinguishable. *Prosternum* incurved in front, with a narrow process which reaches the middle of the *coxæ*; these are prominent and nearly contiguous. *Metasternum* short, depressed. Middle *coxæ* evidently less separated than the posterior. *Abdomen* elongate, its two basal segments about equal, with a fine sinuous suture between them; third and fourth with very broad, deep, straight sutures, which, however, become much finer at the sides.

The *eyes* are minute, free, depressed, lateral, rotundate, and coarsely faceted. The *scutellum* is obsolete, or altogether absent. These characters, in conjunction with the minute *claws*, &c., differentiate this from the numerous genera in Sect. V. of Wollaston's "Genera of the *Cossonidæ*."

2577. **A. urquharti**, *n.s.* *Shining*, pitchy-red, legs paler, tarsi yellowish-red; convex, elongate-ovate.

*Rostrum* very finely and distantly punctate, a little widened near the middle, nearly the length of the thorax, its base on a slightly higher level than the front of the head. *Thorax* a little wider near the middle than it is elsewhere, more narrowed in front than behind; with rather distant but distinct punctures, each with a very minute yellowish seta, near each side of the base there is a fine fringe, the apical punctures are small. *Elytra* widest near the middle, much narrowed posteriorly; each with discoidal series of rather coarse, but not closely-placed, punctures, the sutural usually closer than those of the second or third, the posterior sculpture finer and substriate; each puncture has a very minute seta, there are also a few scattered, greyish, slender, indistinct hairs; interstices distantly and minutely punctured.

*Underside* shining, more or less coarsely but not closely punctured, the second ventral segment much more finely and sparingly than the first, with slender yellow setæ; a broad impression extends from the middle *coxæ* to the hind margin of the first segment. *Femora* similarly, rather coarsely, sculptured and clothed.

*Antennæ*: Scape nude; funiculus with yellowish hairs, which, on approaching the club, become more conspicuous, sometimes there is a coarse, curved bristle attached to the seventh joint.

Var. A. *Elytra* substriate at base. Thoracic basal ciliæ wanting. There is a very minute scutellum (one example).

Length (rost. incl.),  $1\frac{1}{2}$  lines; breadth,  $\frac{3}{8}$  line.

Mount Pirongia. Four specimens, amongst decaying leaves.



With much pleasure I name this interesting little Cossonid in honour of Mr. A. T. Urquhart.

2578. **A. pedatus**, *n.s.* *Shining*, yellowish-brown, tarsi and antennæ paler, but not rufescent.

Rather shorter, and distinctly broader, than *A. urquharti*. *Ros-trum* shorter and thicker, more appreciably, yet only slightly, narrowed behind, its punctures larger and arranged in longitudinal series. *Head* less immersed; the *eyes*, therefore, more distant from the thorax, they are also less depressed. *Thorax* shorter, widest before the middle, without frontal constriction, its punctuation rather coarser and closer. *Elytra* shorter and broader, their greatest width near the hind thighs, their punctures coarser and closer.

*Underside* as pale as the upper surface, but with the middle of the second ventral segment pitchy-brown, it is more or less coarsely punctured, with slender setæ; second segment more distinctly punctured than in *A. urquharti*, its frontal suture better marked and more curvate; metasternum and basal segment less depressed.

Penultimate joint of the *tarsi* more expanded, and a little emarginate at the apex. This is the most important differentiating character.

Length,  $1\frac{1}{10}$  lines; breadth, quite  $\frac{3}{8}$  line.

Mount Pirongia. Two, amongst leaf-mould brought by Mr. Urquhart.

2579. **A. sternalis**, *n.s.* *Elongate-ovate*, convex, shining, rufopiceous, legs fuscous, tarsi paler, antennæ reddish, club infusate; the clothing like that of the two preceding species.

*Thorax* rather longer than it is broad, more narrowed anteriorly than behind, yet not much wider at the middle than it is at the base; distinctly, rather closely, and almost rugosely punctured. *Elytra* widest near the middle, their series of punctures coarse, with rather narrow intervals, declivity striate.

*Underside* fuscous, more or less coarsely (comparatively) punctured, with a distinct seta in each puncture. *Prosternum* truncate and finely ciliate in front. *Metasternum*, and two basal abdominal segments, longitudinally depressed; third and fourth segments with broad deep sutures in the middle only (that is, slender at the sides); fifth finely punctured and impressed; the two basal segments so marked with slight transversal rugosities that the suture between them cannot be accurately defined.

This species is most nearly allied to *A. pedatus*; the punctures on the thorax smaller, but not at all fine, in comparison with the small size of the insect, they are also closer; the punctures of the elytra closer to one another, but not so large; the third tarsal joint similar, but not quite as broad.

The principal differences exist on the lower surface, the front of the prosternum is the most obvious.

Length,  $1\frac{1}{10}$  lines; breadth,  $\frac{3}{8}$  line.

Mount Pirongia. One, brought by Mr. Urquhart amongst leaves.

2580. *A. ovatus*, *n.s.* *Shining*, fuscous, femora sordid-testaceous, antennæ slightly rufescent.

*Rostrum* slightly narrowed behind, punctate. *Thorax* longer than broad, hardly at all narrowed behind, very slightly wider at the middle, gradually narrowed anteriorly to the width of the head; its punctuation moderately close. *Elytra* rather short, widest just before the hind thighs, narrowed posteriorly; their punctures very irregular, those on the disc mostly very large, only about five in each row, some almost longitudinally confluent; behind quite striate, so that the interstices appear elevated. *Tarsi* with slightly-thickened terminal joints, the third very slightly excavate above at the apex.

This species is more ovate than the preceding ones, it is relatively broader, less medially narrowed, the outline of the head and thorax is not interrupted, the head is smooth and more apparent above; the sculpture is totally different; the antennæ are inserted nearer to the apex of the rostrum, though this probably is merely a sexual character; the clothing and interstices are similar; there is no trace of the scutellum; the eyes are like those of *A. pedatus*.

Length,  $\frac{9}{10}$ ; breadth,  $\frac{3}{8}$  line.

Mount Pirongia. Another of Mr. Urquhart's discoveries. It is unique.

### Group—LAMIIDÆ.

#### Xylotoles.

The following is substituted for the description of No. 2422 on p. 1388, Part VI.:—

2422. *X. phormiobius*, *n.s.* *Elongate*, rather narrow, slightly nitid, fuscous; covered with greyish pubescence, which, near the hind thighs, usually forms a small tuft or spot on each wing-case.

*Thorax* rather broader than long, its sides somewhat swollen near the middle; near the front there is a deep constriction which is continued from one side to the other as an angulate linear depression, the space before this is more closely sculptured than the disc; near the base there is another linear impression, the space behind it is covered with fine transverse striæ, and is much narrower than the apical portion; the longitudinal impression along the centre is not always well marked. *Scutellum* depressed in front, curved and densely fringed behind. *Elytra* but little wider than the thorax at the base, the shoulders not in the least prominent, they are somewhat attenuate posteriorly, and, at the extremity, there is a distinct sutural gap, in some examples the extreme apex is acute and slightly turned inwards; on each elytron there are two more or less evident costæ, the outer unites with the other behind, at this point both become obsolete, and the punctures cease; just behind the scutellum there is a depression, their surface is not smooth, being very finely and moderately closely sculptured. *Legs* pale obscure-red, femora sometimes infusate, tibiæ with long grey hairs, occasionally maculate, the posterior curvate towards the front. *Antennæ*



of the same colour as the legs, the fine grey pubescence causes a somewhat spotted appearance, and the longer hairs are nearly white; the tenth joint reaches backwards to the end of the body, the third is a little longer than the fourth and extends beyond the base of the thorax.

*Underside* densely clothed with fine grey hairs; fifth ventral segment strongly rounded and densely ciliate at the extremity, the supplementary segment is, however, quite easily seen.

♂. Length,  $3\frac{1}{2}$  lines; breadth,  $\frac{7}{8}$  line.

Female. *Hind-body* but little narrowed behind. *Antennæ* slightly shorter, tenth joint not attaining the end of the elytra, the third not reaching the base of the thorax. Fifth ventral segment rather broad, broadly impressed behind, its apex truncate, or only very feebly emarginate. Posterior *tibiæ* straight.

♀. Length,  $3\frac{3}{4}$  lines; breadth, 1 line.

This species, undoubtedly, is closely allied to *Xylotoles scissicauda*, Bates, but I fail to see more than two costæ on each wing-case, the sides of the thorax are not tuberculate and are not at all coarsely sculptured.

Ashburton. Examples of both sexes were found in the seed-vessels of *Phormium tenax* by Mr. W. W. Smith.

### Somatidia (Gen., p. 600).

2581. **S. convexa**, *n.s.* *Body* very convex, much narrowed and depressed towards the middle; cupreo-fuscous, the tibiæ and tarsi more or less testaceous, the former infusate above and near the extremity; femora variegate, fuscous, piceous, or reddish; antennæ infusate-red.

*Thorax* subrotundate, widest and most convex before the middle, its surface distinctly and moderately closely punctured. *Antennæ* as long as the body, with very long slender hairs below, third joint twice the length of the fourth. *Elytra* rather short, widest behind the middle, curvedly deflexed posteriorly, much narrowed towards the base; with rather fine and not numerous punctures, the punctuation about the same near the apices as at the base, there is an indistinct stria behind, near the suture; their pubescence is pale or yellowish, and not at all obvious near the base; a large space behind each shoulder, and another near the hind thigh, are either bare or scantily clothed, the erect hairs are fuscous or yellowish. *Legs* robust, with pale outstanding hairs, femora much clavate or arched above, tibiæ stout.

Male. *Abdomen*: Segments 2-4 short, fourth incurved behind, fifth rounded apically, supplementary segments scooped out.

The species like *S. ptinoides* are *S. crassipes*, *S. spinicolle*, and *S. signata*. This is another of the same group, distinguishable by its large size, very thick femora, and the absence of the tubercle on each side of the thorax, there being only a small obtuse elevation there.

Length,  $2\frac{1}{4}$  lines; breadth,  $\frac{7}{8}$  line.

Maketu, Hunua Range. A good series; on the ground.



2582. *S. latula*, *n.s.* *Fusco-piceous*, thorax more rufescent, femora variegated-fuscous; tibiæ testaceous, the base, and a spot near the middle, dark-brown; antennæ fusco-rufous, joints 4–10 usually dark at the tips; the pubescence conspicuous, comparatively coarse and thick, fulvescent for the most part, the erect hairs similar in colour to the parts on which they are placed.

This is allied to *S. convexa*; the *body*, however, is broader, and only moderately convex, as in the species near *S. antarctica*, it is less narrowed medially, and the clothing is thicker. The *thorax* is broader and much less rounded laterally. The *elytra* are widest at, or before, the middle, they slope gradually behind; the pitchy space behind each shoulder, the transverse fascia near the top of the hind slope, and the broad sutural space on the declivity are opaque, or but little shining, and bear inconspicuous fuscous pubescence. The *legs* are more slender. The *antennæ* have pale outstanding hairs, besides the usual fine pubescence; third joint hardly twice as long as the fourth, second short.

Male. Suture of elytra simple.

Female. Suture slightly depressed along the middle; abdomen with depressed fusco-testaceous pubescence, the basal segment thrice as long as the second, third and fourth equally short, fourth nearly straight behind, fifth emarginate medially at the apex.

Length,  $2\frac{1}{2}$ ; breadth,  $1\frac{1}{8}$  lines.

Maketu. Amongst leaves on the ground.

2583. *S. lævior*, *n.s.* *Body* moderately convex, and broad, smooth, slightly nitid, fuscous; in line with the hind thighs there is an irregular paler band; antennæ reddish, joints 5–10 half-fuscous; tibiæ and tarsi testaceous, the former with a brown spot above and another below the middle, thighs darker; pubescence scanty, very fine and depressed, greyish, causing a mottled appearance behind, near the base of the thorax it is yellow, elsewhere cinereous.

*Head* reddish in front, coarsely punctured there. *Antennæ* pubescent, sparingly fringed below, a good deal shorter than the body, third joint reaching the base of the thorax, one-and-a-half times the length of the fourth, fifth distinctly shorter than the fourth, joints 6–11 rather short. *Thorax* about as long as broad, well rounded laterally, the surface minutely sculptured, but with very few coarse punctures. *Scutellum* large, yellowish. *Elytra* widest near the middle, as much narrowed towards the base as they are behind, the hind slope gradual and with more punctures than the basal portion, there is a regular series of punctures on each near the base, their whole surface is minutely and indistinctly sculptured.

Its proper place is near *S. variegata* or *S. terrestris*: it differs from both in general appearance and sculpture.

Length,  $2\frac{3}{4}$ ; breadth,  $1\frac{1}{8}$  lines.

Napier (Forty-mile Bush). One, found by Mr. H. Suter.

2584. **S. tenebrica**, *n.s.* *Piceous*, slightly shining; antennæ reddish, the apical portion of joints 3-11 usually darker; femora rufescent, the middle more or less pitchy; tibiæ and tarsi testaceous, the base of the former fuscous.

*Thorax* about as long as it is broad, widest near the middle, its sides moderately rounded; the surface moderately coarsely and closely punctured; pubescence ash-coloured, scanty and slender. *Elytra* quite oviform, the middle widest; the basal margin turned inwards, and somewhat thickened or flattened near the scutellum; the punctures are moderately coarse and distant, still more distant behind, some nearly reach the apices; pubescence slender, cinereous and grey, rather irregularly distributed, the grey most conspicuous, the erect hairs infusate. *Legs* with pale-yellow erect hairs; femora much clavate beyond the middle; intermediate tibiæ a good deal arched externally, so that the subapical emargination is well marked. *Antennæ* with erect yellowish hairs, their third and fourth joints nearly equal.

This comes near No. 1053. It has the elytra widest near the hind thighs, they are gradually narrowed, not rounded, towards the base; the greyish pubescence has a blue tinge and covers a large portion of their surface; the thighs are less clavate; its tarsi are longer, and the insect itself is larger.

Male. Second to fourth ventral segments short, fourth incurved behind, fifth reddish, sixth apparently divided along the middle.

♂. Length,  $1\frac{5}{8}$  lines; breadth,  $\frac{5}{8}$  line.

♀. Length, 2 lines; breadth,  $\frac{7}{8}$  line.

Maketu, Hunua Range. Twenty specimens.

2585. **S. albicoma**, *n.s.* *Subovate*, moderately convex; cupreo-piceous, a little nitid; antennæ infusate, or reddish, irregularly marked with grey; femora variegate, base and apex reddish; tibiæ and tarsi testaceous, the upper part of the former always dark, sometimes violaceous; pubescence slender, unevenly distributed, ash-coloured and grey, the latter forming irregular patches on the elytra, their basal portion, however, is usually nearly bare and shining, there are also numerous erect, slender, reddish-brown hairs.

*Thorax* about as long as it is broad, widest near the middle, its sides only obtusely rounded; the surface is moderately coarsely, on the disc not closely, punctured; sometimes there is a broad, shallow impression near each side behind the middle, the inner borders of these impressions appear to be a little elevated. *Elytra* of the same width as the thorax at the base, oviform, widest near the middle; the basal portion with coarse, distant punctures, which are sometimes serial, they become finer and more remote, and seldom altogether disappear, towards the apices; the basal margin is somewhat thickened and flattened towards the suture, and there is, on each elytron, an ill-defined, oblique impression extending backwards. *Antennæ* reaching the extremity of the body, with fuscous outstanding hairs, their third joint about one-fourth longer than the following one and extending beyond the base of the thorax.



Male. Abdomen: Fifth segment emarginate in the middle, sixth deeply hollowed, with raised margins.

Female. Abdomen: Fifth segment nearly twice the length of the fourth, with a slight longitudinal elevation behind.

Length,  $2\frac{1}{2}$  lines; breadth, 1 line.

Maketu, Hunua Range. Closely allied to No. 1055.

1050, var. **S. fuscata**. *Subopaque*, fuscous, clothed with very slender pubescence of nearly the same colour as the derm, but, on the elytra, there is a large space across the back and most of each side, covered with fine testaceous pubescence.

*Thorax* almost longer than broad, widest before the middle, with moderately coarse, distant punctures. *Elytra* widest near the middle, irregularly, coarsely, and distantly punctured near the base, each elytron with a sutural series extending below the top of the hind slope, a second series is sometimes as long and regular. *Legs* and antennæ generally pale reddish-brown, the tarsi, and the lower part of the tibiæ, testaceous. *Antennæ* with yellow pubescence and coarse infuscate hairs, not distinctly spotted; third joint about one-third longer than the fourth.

This, no doubt, comes near No. 1050, and may be a variety only.

Length, 3; breadth,  $1\frac{1}{4}$  lines.

Maketu. Three individuals.

Obs.—I have, from the same locality, a varietal form of No. 1052, which I think should be described:—

*S. angusta*, var. *Body* pale yellowish-brown, quite brown across the top of the hind slope, this dark colour extends towards the apices, near each side, and is there bordered by a more or less evident longitudinal elevation, which is prolonged towards the base; the hind slope is somewhat flattened, and moderately coarsely punctured, but not as closely as the base. *Thorax* finely and rather closely punctured, most of its pubescence greyish, but a yellow streak extends forwards from the base. The grey pubescence on the elytra sometimes produces a maculate appearance. The *scutellum* is large and greyish. *Antennæ* with joints 4–11 half brown and half testaceous, third joint one-third longer than fourth. *Underside*, and the femora, with dark and grey mottled pubescence. The elytral elevations are also subject to variations. One constant, well-marked character distinguishes the species, this is the intensely black space between the eyes.

## Group—EUMOLPIDÆ.

### Aphilon (Gen., p. 629).

2586. **A. scutellare**, *n.s.* *Convex*, hemispherical, nude, æoneo-niger, legs and antennæ testaceous, the terminal joints a little infuscate.

*Head* small, smooth. *Antennæ* feebly pilose, stout, first joint large and broad; second almost as long as the third, rather stouter;



fourth not quite as long as the third; 5-8 decrease in length; ninth distinctly larger than the eighth, smaller than the tenth, neither of these (ninth and tenth) transverse; eleventh oviform, nearly as long as the preceding two. *Thorax* transversè, base and apex almost truncate, its sides much curved towards the front, the surface impunctate. *Scutellum* triangular, quite exposed and distinct. *Elytra* convex, nearly vertical behind; on their basal portion there are two rows of small punctures on each side of the suture, those nearer the sides are indistinct.

*Underside* glossy, bronzed-black, the abdomen more or less castaneous. *Prosternum* short, flat, finely margined between the coxæ, very slightly, if at all, incurved behind. *Mesosternum* very short, flat, quite smooth. *Metasternum* plane, with some coarse punctures, not in the least elevated in front. *Abdomen* nearly smooth, basal segment quite truncate between the coxæ, barely as long as the following three taken together, second, third, and fourth with curved sutures, indistinctly punctate, fifth nearly smooth, with a few short hairs.

Like *A. convexum*, the legs decidedly thicker, the tibiæ broader and more arched externally, the scutellum distinct.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{5}{8}$  line.

Maketu, Hunua Range. One example only.

OBS.—*Aphilon enigma*, Sharp. I now possess three specimens, and give a description of the lower surface.

*Prosternum* incurved and finely margined behind the coxæ. *Mesosternum* strongly curvate in the middle, with a row of short impressions. *Metasternum* smooth, much curved medially in front, distinctly raised there. *Abdomen*: Basal segment large, smooth, very slightly curved between the coxæ, the fifth with small punctures and short hairs.

## Group—GALERUCIDÆ.

### *Luperus* (Gen., p. 631).

2587. *L. mollis*, n.s. *Oblong*, nude, shining; head and thorax æneo-niger, elytra and tibiæ testaceous, femora blackish but with their basal portion, and the coxæ, sordid-ochraceous, antennæ pitchy-brown, the three basal joints yellowish-brown.

*Head* with a transverse groove between the eyes. *Antennæ* implanted near the front and inner margin of the eyes; first joint moderately thickened, second distinctly shorter than the third, 4-10 nearly equal. *Thorax* transverse, the sides very little curved, slightly narrowed behind, lateral margins distinct, a little thickened near the front angles, posterior angles nearly rectangular; its punctuation shallow, fine, distant and indistinct, there is a small fovea in front of the scutellum. *Elytra* oblong, finely and not closely punctured, the sutural region, near the base, sometimes fuscous.

Like *L. nitidicollis* (No. 1113). In that species, however, the antennæ arise in line with the middle of the eyes, they

are quite contiguous, instead of being distant, and have larger basal prominences.

*Underside* blackish, shining, with some fine grey hairs.

Length,  $1\frac{1}{2}$  lines; breadth, nearly  $\frac{3}{4}$  line.

Ashburton. Two examples, found by Mr. W. W. Smith.

## Group—COCCINELLIDÆ.

### Holopsis (Gen., p. 814).

2588. **H. pictulus**, *n.s.* *Convex*, oval, glossy, variegate; testaceous, the middle of the thorax infusate; elytra blackish at the base, with, on each elytron, two angular spots directed backwards, there is a large space at the side of the same colour, and, near the middle, it is prolonged towards the suture as a sort of broad, irregular fascia; the suture on the basal half is reddish.

*Thorax* much narrowed towards the front. *Scutellum* broad. *Elytra* indistinctly sculptured.

This pretty little insect may be identified by its oval, rather narrow (for this genus) form.

Length,  $\frac{3}{4}$ ; breadth,  $\frac{1}{2}$  line.

Taieri. One, found by Mr. S. W. Fulton about ten years ago. A second was sent from Moeraki by Mr. Sandager.

2589. **H. rotundatus**, *n.s.* *Convex*, subrotundate, shining, glabrous, finely and indistinctly punctate; the thorax, and two angular spots near each shoulder, and the legs, testaceous; elytra fuscous at the base and about half-way along each side, fusco-rufous on the disc, paler behind, yet not at all flavous.

*Thorax* transparent in front. *Scutellum* small. *Underside* fusco-testaceous, with a large dark central space. *Prosternum* concave, with a narrow intercoxal process. *Mesosternum* extremely short, a mere band, its front margin sharply defined, quite truncate. *Metasternum* large, flat, with a fine straight suture between the middle coxæ. *Abdomen* plane, its frontal suture straight, fifth segment pubescent. Middle and hind *coxæ* widely separated. *Legs* pubescent, front *tibiæ* slender near the base, straight along the inner face, curved and much dilated externally, oblique at the extremity. *Antennæ* moderately elongate, 11-articulate, first joint long and stout; second about as long but only half as broad; third shorter, yet elongate, slender; 4–8 short; 9–11 large.

Length,  $1\frac{1}{8}$  lines; breadth,  $\frac{7}{8}$  line.

Maketu, Hunua Range. Two examples. This may prove to be distinct from *Holopsis*.

## Group—OTIORHYNCHIDÆ.

### Catoptes.

2591. **C. scutellaris**, *n.s.* (*Sharp*; *Trans. Roy. Dub. Soc.*, 1886, p. 423.) *Minus* gracilis, pallide fusco-squamosus apice pal-

lidior; *prothorace* subrugoso; *elytris* thorace latioribus, disco minus convexo, seriatim remote punctatis, ante apicem nodulis parvis quatuor munitis.

Long., 6mm.

*Antennæ* rather elongate, second joint longer than the third, eighth nearly as long as broad. *Thorax* nearly one-fourth broader than long; the sides a good deal rounded and much narrowed in front, less so behind. *Elytra* broad, distinctly flat on the disc; scutellum rather broad, and touched on each side by a minute swelling of the wing-case, furnished with distinct rows of rather distant punctures, and with two quite distinct distant small tubercles on each placed on the same level, and forming only a slight curve transversely; setosity of the surface indistinct.

Though similar to the Auckland form of *C. obliquisignatus* in colour, this is a very distinct species, approximating in form to *Brachyolus punctipennis*: the more rugose thorax, and larger scutellum, are easy and certain marks for distinguishing it from *C. obliquisignatus*.

Otago. Professor Hutton; a single example.

2592. *C. longulus*, n.s. (Sharp; *Trans. Roy. Dub. Soc.*, 1886, p. 424.) *Angustior*, elongatus, pallide griseo-squamosus; *prothorace* elongato, obsolete rugoso; *elytris* thorace latioribus, seriatim remote punctatis, ante apicem nodulis parvis quatuor munitis.

Long., 6½mm.

Closely allied to *C. scutellaris*, but of much narrower form, and pallid-griseous colour. The *rostrum* is rather longer and more slender; the *thorax* is a little broader than long, and has a slight oblique broad depression on each side near the front; the *scutellum* is quite distinct, and there is not the slightest swelling at its sides. The *elytra* are minutely uneven, and the rows of distant punctures they bear are quite distinct, those on the deflexed sides being even more distinct. The setosity of the surface is very slight. The example is, no doubt, a male, and has the basal and apical ventral segments longitudinally depressed along the middle.

Dunedin. Professor Hutton; a single example, sent in 1879.















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